FIELD ACTIVITIES SUMMARY REPORT

QUEENSBURY LANDFILL

RIDGE ROAD, QUEENSBURY

WARREN COUNTY, NEW YORK 12801

NYSDEC SITE NO. 557005

Prepared for:

NEW YORK STATE | Department of Environmental Conservation

Division of Environmental Remediation

625 Broadway, 12th Floor
Albany, New York 12233

Prepared by:

TRC Engineers, Inc.

3 Corporate Drive, Suite 202
Clifton Park, NY 12065

TRC Project No. 453202.0000.0000

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Acronyms and Abbreviations

AMSL	Above Mean Sea Level
APWA	American Public Works Association
AQTESOLV	AQTESOLV® Software Program
ASP-B	NYSDEC Analytical Services Protocol Category B
bgs	Below Ground Surface
CAMP	Community Air Monitoring Plan
Class A Values	NYSDEC TOGS 1.1.1 Standards and Guidance Values for Class A Water - Protection for Surface Waters
Class GA Values	NYSDEC TOGS 1.1.1 Standards and Guidance Values for Class GA Water - Protection for Groundwater
cm/sec	Centimeters/second
COC	Chain of Custody
CSIA	Compound-Specific Isotope Analysis
DER	NYSDEC Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for Site Investigation and Remediation
DMM	NYSDEC Division of Materials Management
DPT	Direct Push Technology
DUSR	Data Usability Summary Report
EDD	Electronic Data Deliverable
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
FAP	Field Activities Plan
FSGV	NYSDEC Screening and Assessment of Contaminated Sediment, Table 5: Freshwater Sediment Guidance Values
HASP	Health and Safety Plan
HDPE	High-Density Polyethylene
IDW	Investigation Derived Waste
IHWDS	New York State Inactive Hazardous Waste Disposal Site
ILI	New York State Inactive Landfill Initiative
KGS	Kansas Geological Survey
mg/kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NAVD88	North American Vertical Datum of 1988
ng/L	Nanograms per Liter
NTU	Nephelometric Turbidity Unit
NYCRR	New York Codes, Rules, and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyls
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorobutanoic Acid

PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PVC	Poly-Vinyl Chloride
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
SC	Site Characterization
SCGs	Standards, Criteria, and Guidance
SIM	Selective Ion Monitoring
SMS	Short Message Service
SOW	Scope of Work
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCL	Target Compound List
TICs	Tentatively Identified Compounds
TOC	Top of Casing
TOGS	NYSDEC Technical and Operational Guidance Series (1.1.1)
µg/kg	Micrograms per kilogram
µg/L	Micrograms per liter
USCS	Unified Soil Classification System
USGS	United States Geological Survey
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	Volatile Organic Compound
VPDB	Vienna Pee Dee Belemnite
VSMOW	Vienna Standard Mean Ocean Water
WA	Work Assignment
$\delta^{13}C$	Carbon-13 Stable Isotope Ratio $^{13}C/^{12}C$ in Environmental Sample Relative to Ratio of Known Isotopic Standard (VPDB)
$\delta^{2}H$	Deuterium Stable Isotope Ratio $^{2}H/^{1}H$ in Environmental Sample Relative to Ratio of Known Isotopic Standard (VSMOW)
‰	Parts Per Thousand

1.0 Introduction

This Field Activities Summary Report (FASR) has been prepared to summarize the results of on-going Site Characterization (SC) activities completed at and downgradient (south) of the Queensbury Landfill (the Site), which is located on Ridge Road in the Town of Queensbury, Warren County, New York. The Site is designated by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) as Site No. 557005 under the Inactive Hazardous Waste Disposal Site (IHWDS) Program (i.e., New York State Superfund Program). The activities were completed in accordance with the July 9, 2021 NYSDEC DER Work Assignment (WA) Approval Letters dated November 29, 2021 and May 31, 2023, the September 2023 Supplemental SC Work Plan, and NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation (DER-10).

Under the NYSDEC Inactive Landfill Initiative (ILI) Program, the NYSDEC Division of Materials Management (DMM) performed groundwater sampling at the Queensbury Landfill in January 2020, where 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS), specifically perfluorooctanoic acid (PFOA), was detected. As a result of elevated 1,4-dioxane and PFAS concentrations in Site groundwater, the New York State Department of Health (NYSDOH) recommended sampling of off-Site private drinking water supply wells. Concentrations of 1,4-dioxane and PFAS were detected in off-Site private drinking water supply wells and the NYSDEC designated the Site as a potential IHWDS in March 2021 (designation code P), which prompted the SC investigation.

The purpose of the SC investigation was to expand upon prior investigations by collecting additional environmental data (e.g., soil and groundwater) off-Site and downgradient of the Queensbury Landfill in order to provide sufficient information to determine if the Site presents a significant threat to public health or the environment.

The SC field activities reference in this FASR were completed between November 2021 and October 2025. A United States Geological Survey (USGS) 7.5-minute topographic map showing the Site location and surrounding land features is provided on **Figure 1**. The Site and surroundings are depicted on **Figure 2**.

2.0 Site Description

2.1 Site Features, Use, and History

The Queensbury Landfill is a municipally owned and closed solid waste disposal facility. Currently, the Town of Queensbury operates a transfer station in the northwest portion of the Site along Ridge Road, accepting household waste from the surrounding area. The Site is listed as property class LC-10A – Limited Commercial within a land conservation district type. There is a monitoring well network (encompassing MW-1 through MW-5, installed during the April 1992 Phase II Environmental Site Assessment (ESA), and E-1, E-2, E-3, and DO-1, installed during prior investigations), as well as three elevated leachate collection manholes located southeast and downgradient of the landfill cap. Gas vents are present throughout the landfill cap, no gas collection or flare system was observed during site visits.

The Site is fenced/gated on the northwestern side along Ridge Road. Between Ridge Road and the Landfill are the transfer station and a gravel pathway, meant for vehicular access. No fencing exists between the transfer station and the landfill, or on the east and south perimeters of the landfill. Fencing exists between the Queensbury and Ciba-Geigy Landfills, where the perimeters of the landfills coincide.

The Queensbury Landfill currently implements a post-closure monitoring program consisting of routine groundwater sampling, surface water sampling, and Site inspections in accordance with NYSDEC post-closure regulations. The Queensbury Landfill has been assigned NYSDEC Solid Waste Identification Number 57S10.

The Queensbury Landfill operated as a gravel pit until the late 1940s and then transitioned to a waste disposal facility, closing operations in 1993. The Landfill was subsequently closed and capped with a geomembrane and soil cover system in 1995. While in operation, the Landfill reportedly accepted a daily limit of between 250 to 350 compacted cubic yards and 100 uncompacted cubic yards of non-hazardous residential and commercial waste, respectively. As stated in the April 1992 Phase II ESA Report, the NYSDEC Operating Permit for the Landfill expired on December 26, 1982.

Based on information provided in the April 1992 Phase II ESA Report, most of the Queensbury Landfill area is unlined. In early 1979, in an apparent effort to reduce the high permeability of the soil, a four-to-six-acre bowl shaped area was constructed and lined with an experimental mixture of Site soil and Finch-Pruyn paper sludge. The liner proved to be ineffective and, reportedly, may have been a source of heavy metals and phenolic impacts at the Site. The location and limits of the experimental liner area could not be verified by TRC.

A rudimentary leachate collection system, consisting of a leachate containment berm and leachate collection manholes, was constructed near Mud Pond in 1979, but no leachate treatment or recycling program was ever implemented. The inadequacy of the system has reportedly been addressed in several historic NYSDEC records, as numerous leachate seeps were observed and evidence of leachate breaching the containment berm toward Mud Pond was apparent. The frequency and duration of these events were not known at the time, as reported in the April 1992 Phase II ESA Report.

It was alleged that prior to 1976, the Landfill received heavy metal sludges (purportedly received from former Hercules, Inc. in Glens Falls) and polychlorinated biphenyl (PCB) capacitors (purportedly received from General Electric Co. in Hudson Falls). Based on these allegations, in December 1983, the facility was listed as a Class 2a site on the New York State Registry of IHWDS. In 1983, a Class 2a designation was a temporary classification, assigned to sites with inadequate or insufficient data for inclusion in any other classification.

In October and November 1990, URS Consultants of Buffalo, New York (URS) conducted Phase II ESA activities including monitoring well installation, groundwater sampling, Mud Pond surface water and sediment sampling, leachate sampling, and homeowner private well sampling. In summary, the April 1992 Phase II ESA determined that contaminants observed in the various collected samples were consistent with other municipal waste landfills and there was no evidence to indicate that disposal of hazardous wastes had occurred at the Site. Additionally, and although there had been allegations of hazardous waste disposal at the Site, no documentation was uncovered at that time to substantiate such claims.

In accordance with an April 1992 Phase II ESA Report recommendation, the Site was delisted and referred to the NYSDEC Division of Solid Waste – Bureau of Facility Management (now DMM) for proper closure.

The Queensbury Landfill is surrounded by three additional landfills (Finch-Pruyn Paper to the east, Ciba-Geigy to the southwest, and McLaughlin to the east), several active sand and gravel mines, a downgradient residential community, a recreational park, and Town of Queensbury Parks Maintenance buildings.

2.2 Topography and Site Drainage

Ground surface elevations at the Queensbury Landfill range from approximately 400 to 500 feet above mean sea level (AMSL), with the highest elevation near the center of the Site and a steep slope on the southeast side due to historic infilling. Elevation in the Site vicinity decreases and flattens to the south towards the Jenkinsville residential neighborhood to between 320 and 360 feet AMSL.

Site surface water flow is primarily to the south; however, it generally follows the direction of surface topography. Due to the lower elevation of Mud Pond, the pond appears to receive surface water runoff from the Queensbury Landfill. During TRC's Site visit activities, rip rap surface water drainage swales were identified on the Site in an east-west orientation.

3.0 Site Characterization Activities

The SC field activities described in this section were completed by TRC between November 2021 and October 2025, in general accordance with the NYSDEC-approved WA and September 2023 Supplemental SC Work Plan, identified in **Section 1.0**. Modifications and/or additions to the SOWs were implemented in consultation with the NYSDEC.

The completed SC field activities, in approximate order of completion, included the following:

- November 2021 – Downgradient surface soil sampling;
- December 2021 – Comprehensive groundwater monitoring well gauging at the four landfills;
- April to June 2022 – Mud Pond surface water and sediment sampling;
- June 2022 – Groundwater, leachate (where applicable), and surface water sampling (where applicable) at all four landfills;
- October to December 2023 – Round 1 Off-Site monitoring well installation, and soil and groundwater sampling;
- December 2023 - Off-Site hydraulic conductivity assessment;
- June to July 2024 – Round 2 Off-Site monitoring well installation, and soil and groundwater sampling;
- August 2024 – One-month duration continuous groundwater elevation monitoring;
- September to October 2025 – Supplemental groundwater sampling at the Queensbury Landfill, McLaughlin Landfill, and Off-Site monitoring wells;
- Land surveys; and
- Periodic Investigation-Derived Waste (IDW) disposal events.

<u>General Notes</u>

- Field activities were completed by TRC in accordance with the NYSDEC-approved generic and Site-specific Health and Safety Plans (HASP), Field Activities Plan (FAP), Quality Assurance Project Plan (QAPP), including modifications for sampling of emerging contaminants (i.e., PFAS), and September 2023 Supplemental SC Work Plan.
- Equipment and materials compatible with NYSDEC recommendations for the collection of PFAS samples were used for each sampled media (i.e., stainless-steel, high-density polyethylene [HDPE], and/or poly-vinyl chloride [PVC]).
- Equipment blank samples were collected for equipment decontaminated and reused between sample locations.

- Standard chain-of-custody (COC) procedures were followed, and where applicable, samples were collected and placed into laboratory supplied bottles, packaged in a cooler with ice, and submitted for laboratory analysis under standard COC procedures.
- Pursuant to the Generic QAPP, laboratory quality assurance/quality control (QA/QC) samples including applicable field blind duplicates and matrix spike/matrix spike duplicates (MS/MSDs) were collected at a minimum frequency of 1 per 20 samples for each media sampled. Field QA/QC samples, including equipment blanks and trip blanks were generally collected at a frequency of one per decontaminated material or sample event (as applicable), respectively.
- Samples were submitted to either the NYSDEC call-out laboratory, Con-Test Laboratory of East Longmeadow, Massachusetts (Con-Test) or the TRC subcontracted laboratory, Eurofins TestAmerica of Amherst, New York (Eurofins), except for Compound-Specific Isotope Analysis (CSIA) samples, which were submitted to the University of Waterloo in Ontario, Canada. NYSDEC Analytical Services Protocol Category B (ASP-B) data deliverable packages were requested for all non-CSIA samples and subjected to data validation either by Vali-Data of WNY, LLC of Fulton, New York (Vali-Data) or TRC.
- For ease of reference and referral to tables, figures, and historical reporting, the Site code prefixes QNSB-(Queensbury Landfill), MCLN-(McLaughlin Landfill), FNCH-(Finch-Pruyn Paper Landfill), CBGY-(Ciba-Geigy Landfill), and MPND-(Mud Pond) have been omitted from sample identifications in this FASR.

The SOW and associated field methods are further described below.

3.1 Downgradient Surface Soil Sampling (November 2021)

As noted in **Section 2.2**, Mud Pond is lower in elevation than the Queensbury and Finch-Pruyn Paper Landfills and appears to receive surface water runoff from both facilities. On November 30, 2021, to determine if potential current and/or historical surface water, leachate, or seep runoffs from the Queensbury and/or Finch-Pruyn Paper Landfills has impacted surface soil adjacent to the northern edge of Mud Pond, TRC collected five surface soil samples (SS-101 through SS-105) around the northern perimeter of the pond.

Surface soil samples were collected via a hand trowel at an approximate depth of 0 to 6 inches below the encountered vegetation (where present), screened for the presence of contamination (i.e., visual, olfactory, and with a photo-ionization detector [PID]), and located using a handheld Global Positioning System (GPS) unit. No visual evidence of contamination was observed during surface soil sample collection.

Surface soil samples were submitted to Con-Test for the following analyses:

- Target Compound List (TCL) volatile organic compounds (VOCs) (inclusive of 1,4-dioxane) plus 10 Tentatively Identified Compounds (TICs) by United States Environmental Protection Agency (USEPA) Method 8260 – low level;
- PFAS by USEPA Method 537 Modified; and
- TCL semi-volatile organic compounds (SVOCs) plus 20 TICs by USEPA Method 8270.

Four surface soil samples (including one duplicate), distributed across the investigated area (SS-101, SS-103, and SS-105), were analyzed for the following additional parameters:

- Target Analyte List (TAL) Metals plus mercury and cyanide by USEPA Methods 6010, 7471, and 9012;
- PCBs by USEPA Method 8082;
- TCL Pesticides by USEPA Method 8081; and
- TCL Herbicides by USEPA Method 8151.

The locations of the five downgradient surface soil samples can be found on **Figure 3**.

3.2 Comprehensive Landfill Groundwater Gauging (December 2021)

On December 2, 2021, utilizing water level meters, TRC measured depth to water and depth to bottom in all accessible monitoring wells at all four landfills to determine regional groundwater flow direction. In addition, an identified water supply well (identified as HMPSW) located on the Harris Mud Pond Mine property was gauged. During these activities, TRC was accompanied by CHA Consulting, Inc. of Albany, New York (CHA) (representing Finch Paper, LLC) while on the Finch-Pruyn Paper Landfill and Arcadis of Clifton Park, New York (Arcadis) (representing BASF Corporation) while on the Ciba-Geigy Landfill.

A map showing the gauged locations, groundwater surface elevations, and inferred groundwater flow direction is shown on **Figure 4**. A summary of applicable landfill monitoring well construction information and groundwater gauging measurements can be found in **Table 1**.

3.3 Landfill Environmental Sampling (April to June 2022)

Between April and June 2022, TRC completed environmental sampling activities at all four landfills. Environmental sampling activities were completed within the same season to allow an accurate comparison of analytical results across the four landfills. Sample logs documenting completed activities are provided in **Appendix A**. Completed activities for each landfill are summarized in the subsections below.

3.3.1 Queensbury Landfill

Between April 12 and June 23, 2022, TRC completed environmental sampling activities at the Queensbury Landfill at the locations shown on **Figure 5** as described below.

3.3.1.1 Surface Water

On April 12 and 22, 2022, a surface water sample (WS-01) was collected from standing water on the Queensbury Landfill cap to determine if potential contaminants were running off of the Site via overland flow. No visual evidence of contamination was observed during surface water sample collection.

The surface water sample was collected directly into laboratory supplied bottles and submitted to Con-Test for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 Selective Ion Monitoring (SIM);
- PFAS by USEPA Method 537 Modified; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

It should be noted that due to laboratory error, the April 12, 2022 surface water sample was recollected on April 22, 2022 and analyzed for TCL VOCs (the original April 12, 2022 sample exceeded applicable hold time).

3.3.1.2 Leachate

One leachate sample (WL-01) was collected from standing water located from a former leachate collection manhole identified as Leachate 3. No visual evidence of contamination was observed during leachate sample collection.

The leachate sample was collected using a HDPE bailer and submitted to Con-Test for the following analyses:

- TCL SVOCs plus 20 TICs by USEPA Method 8270;
- PCBs by USEPA Method 8082;
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7470, and 9012;
- TCL Pesticides by USEPA Method 8081; and
- TCL Herbicides by USEPA Method 8151.

It should be noted that due to laboratory error, the April 12, 2022 leachate sample was recollected on April 22, 2022 and analyzed for TCL VOCs (original April 12, 2022 sample exceeded applicable hold time).

3.3.1.3 Groundwater

Prior to the collection of groundwater samples, accessible monitoring well headspace was screened with a PID and then each well was gauged for total well depth/depth to water. Groundwater samples were then collected from five monitoring wells (MW-1 through MW-5) via standard purge and bail sampling techniques. No visual evidence of contamination was observed during groundwater sample collection.

Following purging three well volumes, six groundwater samples (including one duplicate) were collected and submitted to Con-Test for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 537 Modified; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

Samples from four wells (MW-2, MW-3, MW-4, MW-4 duplicate, and MW-5) were additionally analyzed for the following parameters:

- TCL SVOCs plus 20 TICs by USEPA Method 8270;
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7470, and 9012;
- PCBs by USEPA Method 8082;
- TCL Pesticides by USEPA Method 8081; and
- TCL Herbicides by USEPA Method 8151.

For QA/QC purposes and in accordance with the SOW, on June 23, 2022, an additional groundwater sample was collected from MW-3 utilizing low-flow sampling methods and submitted to Con-Test for analysis of 1,4-dioxane by USEPA Method 8270 SIM.

3.3.2 McLaughlin Landfill

Between April 15 and 18, 2022, TRC completed environmental sampling activities at the McLaughlin Landfill at the locations shown on **Figure 6** and as described below. It should be noted that at the time of sampling, surface water, seeps, and leachate were not observed.

3.3.2.1 Groundwater

Prior to the collection of groundwater samples, accessible monitoring well headspace was screened with a PID and then each well was gauged for total well depth/depth to water. Groundwater samples were then collected from four monitoring wells (MW-1, MW-2, MW-3, and MW-5) via standard purge and bail sampling techniques. The PVC riser casing at monitoring well location MW-4 was found to be damaged and as a result, a bailer or otherwise similar diameter

sampling device could not be deployed. No visual evidence of contamination was observed during groundwater sample collection.

Following purging three well volumes, four groundwater samples were collected and submitted to Con-Test for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 537 Modified; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

It should be noted that due to limited recovery during sampling, a sample could not be collected from monitoring well MW-5 for PFAS analysis.

Samples from two wells (MW-1 and MW-5) were additionally analyzed for the following parameters:

- TCL SVOCs plus 20 TICs by USEPA Method 8270;
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7470, and 9012;
- PCBs by USEPA Method 8082;
- TCL Pesticides by USEPA Method 8081; and
- TCL Herbicides by USEPA Method 8151.

3.3.3 Finch-Pruyn Paper Landfill

On April 21 and 22, 2022, TRC completed environmental sampling activities at the Finch-Pruyn Paper Landfill at the locations shown on **Figure 7** as described below. It should be noted that at the time of sampling, seeps and leachate were not observed. During sampling activities, TRC was accompanied by CHA. In addition, and where CHA determined appropriate, CHA collected split-samples.

3.3.3.1 Surface Water

One surface water sample (WS-01) was collected from the recessed trails along the perimeter of the former landfill cap area. No visual evidence of contamination was observed during surface water sample collection.

Surface water samples were collected directly in laboratory supplied bottles and submitted to Con-Test for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 537 Modified; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

3.3.3.2 Groundwater

Prior to the collection of groundwater samples, accessible monitoring well headspace was screened with a PID and then each well was gauged for total well depth/depth to water. Groundwater samples were then collected from four monitoring wells (MW-3AR, MW-4D, MW-4E, and MW-B) via standard purge and bail sampling techniques. No visual evidence of contamination was observed during groundwater sample collection.

Following purging three well volumes, five groundwater samples (including one duplicate) were submitted to Con-Test for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 537 Modified; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

Samples from three wells (MW-3AR, MW-3AR duplicate, and MW-4D) were additionally analyzed for the following parameters:

- TCL SVOCs plus 20 TICs by USEPA Method 8270;
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7470, and 9012;
- PCBs by USEPA Method 8082;
- TCL Pesticides by USEPA Method 8081; and
- TCL Herbicides by USEPA Method 8151.

3.3.4 Ciba-Geigy Landfill

Between June 20 and 22, 2022, TRC completed environmental sampling activities at the Ciba-Geigy Landfill at select monitoring well locations. It should be noted that at the time of sampling, surface water was not observed. In addition, TRC was not granted access to the Ciba-Geigy Landfill leachate container to perform sampling. During sampling activities, TRC was accompanied by Brown and Caldwell, on behalf of BASF. In addition, and where Brown and Caldwell determined appropriate, Brown and Caldwell collected split-samples.

3.3.4.1 Groundwater

A total of nine monitoring wells, not part of the Landfill's routine sampling program, were selected for groundwater sampling and included five overburden monitoring wells (MW-2B, MW-3, MW-5, MW-6, and MW-9) and four bedrock monitoring wells (MW-1, MW-2, MW-4, and MW-7). The locations of the sampled monitoring wells can be found on **Figures 8** and **9**.

Prior to the collection of groundwater samples, accessible monitoring well headspace was screened with a PID and then each well was gauged for total well depth/depth to water. Groundwater samples were then collected from each location via standard low-flow sampling techniques. No visual evidence of contamination was observed during groundwater sample collection.

Following stabilization of field parameters (i.e., turbidity, dissolved oxygen, oxidation-reduction potential, pH, temperature, etc.), 10 groundwater samples (including one duplicate) were collected into laboratory supplied containers and submitted to Con-Test for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 537 Modified; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

Samples from four wells (MW-1, MW-3, MW-3 duplicate, MW-7, and MW-9) were additionally analyzed for the following parameters:

- TCL SVOCs plus 20 TICs by USEPA Method 8270;
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7470, and 9012;
- PCBs by USEPA Method 8082;
- TCL Pesticides by USEPA Method 8081; and
- TCL Herbicides by USEPA Method 8151.

At the request of BASF, TRC containerized groundwater sampling purge and decontamination water into three 55-gallon steel drums. The drums were staged at the neighboring McLaughlin Landfill for further waste characterization and off-Site disposal (refer to **Section 3.11**).

3.4 Mud Pond Surface Water and Sediment Sampling (June 2022)

3.4.1 Surface Water

On June 2, 2022, TRC collected three surface water samples (WS-101 through WS-103) to determine if potential surface water/leachate/seep runoff and/or groundwater infiltration from the landfill(s) has impacted Mud Pond. The surface water sample locations are shown on **Figure 10.**

The surface water sampling locations were accessed by a rowboat via a cast-off point located at a residence south of Mud Pond. No visual evidence of contamination was observed during surface water sample collection.
Four surface water samples (including one duplicate) were collected directly into laboratory supplied containers and submitted to Con-Test for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 537 Modified; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

The surface water sample collected on the northern portion of Mud Pond, and closest to the Queensbury and Finch-Pruyn Paper Landfills (WS-101 and its duplicate), was additionally analyzed for the following parameters:

- TCL SVOCs plus 20 TICs by USEPA Method 8270;
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7471, and 9012;
- PCBs by USEPA Method 8082;
- TCL Pesticides by USEPA Method 8081; and
- TCL Herbicides by USEPA Method 8151.

3.4.2 Sediment

Co-located with the surface water sample locations described above, TRC collected three sediment samples (SE-101 through SE-103) from Mud Pond on June 2, 2022. The sediment samples were collected utilizing a petite ponar dredge sampler, deployed to an approximate depth of 6 inches beneath the top of encountered sediment. Recovered sediment was screened for the presence of contamination (i.e., visual, olfactory, and PID). No visual evidence of contamination was observed during sediment sample collection.

Four sediment samples (including one duplicate) were transferred directly from the petite ponar dredge sampler into laboratory supplied containers and submitted to Con-Test for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 537 Modified; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

The sediment sample collected on the northern portion of Mud Pond, and closest to the Queensbury and Finch-Pruyn Paper Landfills (SE-101 and its duplicate), was additionally analyzed for the following parameters:

- TCL SVOCs plus 20 TICs by USEPA Method 8270;
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7471, and 9012;
- PCBs by USEPA Method 8082;
- TCL Pesticides by USEPA Method 8081; and
- TCL Herbicides by USEPA Method 8151.

3.5 Round 1 – Off-Site Monitoring Well Installation and Sampling (October to December 2023)

With the objective of determining if off-Site contamination is Site related, between October and November 2023, TRC oversaw the installation of 10 overburden (MW-101 through MW-110) and two open-hole bedrock (BMW-101 and BMW-102) downgradient monitoring wells and completed subsequent groundwater sampling. The field activities were completed in general accordance with the September 2023 Supplemental SC Work Plan and are further described in the following subsections. The locations of the installed off-Site monitoring wells can be found on **Figure 11**. The soil boring and monitoring well construction logs can be found in **Appendix B**.

3.5.1 Monitoring Well Installation

3.5.1.1 Utility Survey

Prior to the commencement of ground-intrusive activities, TRC contacted Dig Safely New York, received/reviewed confirmation receipts from each utility, and verified public mark-outs. On October 3, 2023, in addition to the public utility mark-out, a private utility survey was conducted by On the Mark Utility Locating Services, Inc. of Rochester, New York (OTM) to confirm each planned monitoring well location was clear of subsurface utilities and anomalies. Within a 15-foot radius around each location, subsurface structures within the investigated radii were identified on the ground surface with paint using the American Public Works Association (APWA) utility color codes. The OTM survey report can be found in **Appendix C**.

3.5.1.2 Community Air Monitoring Plan

In accordance with the NYSDOH Generic Community Air Monitoring Plan (CAMP) (DER-10, Appendix 1A), air monitoring was conducted during ground intrusive investigation activities. The CAMP included monitoring for both fugitive dust and organic vapors. Fugitive dust and organic vapor action levels in the NYSDOH Generic CAMP were used.

Two CAMP enclosures were deployed at the work site on a daily basis; one in the upwind direction and one in the downwind direction of the drill rig. Both enclosures contained a Dust Trak II unit for dust monitoring and MiniRae 3000 PID for organic vapor monitoring. Each enclosure was connected to a Netronix system which uploaded real-time data and automatically calculated running 15-minute average concentrations for both the Dust Trak and PID. The system was programmed to notify field personnel via short message service (SMS) text message or email in the instance of an exceedance, to facilitate rapid investigation/corrective action. Additionally, one handheld PID was utilized within the work area to field screen soil samples/drill cuttings and monitor breathing zone air vapor concentrations.

The action levels were not exceeded (for both fugitive dust and organic vapors) during the ground intrusive activities.

3.5.1.3 Overburden Monitoring Well Installation

Between October and November 2023, TRC's drilling subcontractor, Cascade Drilling, L.P. (Cascade) installed 10 overburden monitoring wells (MW-101 through MW-110) to terminal depths ranging from 67 feet below ground surface (bgs) (MW-103) to 137 feet bgs (MW-102) using sonic drilling methods. The three monitoring wells located within the Harris Mud Pond Mine (MW-101, MW-102, and MW-103) were advanced to approximately 10-feet beneath the apparent water table depth. The seven monitoring wells located throughout the Jenkinsville neighborhood and in Jenkinsville Park (MW-104 through MW-110), were advanced to depths similar to depths of private water supply wells, based on available construction data found in the online DECinfo Locator database. As a result, many well locations were advanced deeper into the water column than proposed in the September 2023 SC Work Plan. The rationale for advancing deeper into the water table was to enable collection of samples representative of the drinking water aquifer.

3.5.1.3.1 Soil Sampling

Using a 4X6 sonic sampling system, soil samples were collected in 10-foot intervals continuously from ground surface to the termination depth using 10-foot long plastic sleeves to confirm lithology. Soil samples were screened using a PID, inspected for indications of contamination (e.g., staining, odors, etc.), and characterized using Modified Burmister and/or Unified Soil Classification System (USCS) methods. No visual evidence of contamination was observed during soil sample collection.

At each monitoring well location, one soil sample, collected directly above the encountered water table, was submitted for laboratory analysis. A total of 12 soil samples, one from each boring (inclusive of two duplicates), were submitted to Eurofins for the following analyses:

- 1,4-Dioxane by USEPA Method 8270E Low Level;
- PFAS by USEPA Method 1633; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

3.5.1.3.2 Monitoring Well Construction

Overburden monitoring wells were constructed using 2-inch diameter PVC riser and 15 feet of 0.01-slot PVC screen, inserted through the 6-inch diameter sonic sampling system override casing. At the three off-Site locations screened at the water table (MW-101, MW-102, and MW-103), the well screen was set approximately 10 feet below and 5 feet above the apparent groundwater table. At the seven off-Site locations screened below the water table (MW-104 through MW-110), well screens were set at depths similar to known private drinking water wells. A tabular summary of the installed off-Site overburden monitoring well depths can be found in **Table 1**.

At each location, the annulus between the well and borehole wall was backfilled with a No. 1 filter sand to 3 feet above the well screen. Following the filter sand, a minimum 3-foot-thick hydrated bentonite seal was installed. The remaining annulus was filled with a cement/bentonite grout to approximately 1-foot bgs, as conditions allowed.

Where completed in asphalt pavement or landscaped areas, overburden monitoring wells were completed within bolt-down flush mount manholes within a concrete pad (MW-104, MW-105, MW-107, MW-108, and MW-109). Where completed in vegetated areas (i.e., not landscaped or regularly maintained), monitoring wells were completed above ground surface within an approximately 3-foot-high steel standpipe, set in a concrete pad (MW-101, MW-102, MW-103, MW-106, and MW-110).

3.5.1.4 Bedrock Monitoring Well Installation

Concurrent with the overburden monitoring wells, two bedrock monitoring wells (BMW-101 and BMW-102) were installed to terminal depths of 138 feet bgs (BMW-102) and 230 feet bgs (BMW-101). The bedrock coring was advanced using a PQ-core bit. As proposed in the September 2023 SC Work Plan, the termination depth at each location was 50 feet into competent bedrock or the depth of the first major water bearing fracture, whichever was encountered first.

3.5.1.4.1 Soil Sampling

At each bedrock monitoring well location, overburden soil samples were collected and screened using the methods described above in **Section 3.5.1.3.1**. No visual evidence of contamination was observed during soil sample collection.

Two soil samples at each location, collected directly above the encountered water table and bedrock surface, were submitted to Eurofins for the following analyses:

- 1,4-Dioxane by USEPA Method 8270E Low Level;
- PFAS by USEPA Method 1633; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

3.5.1.4.2 Monitoring Well Construction

The bedrock monitoring well boreholes were advanced five feet into competent bedrock using a 6X8 sonic system. A five-inch diameter carbon steel casing was then installed within the sampling system and grouted in place prior to further advancement of the bedrock borehole to limit potential for leakage of overburden groundwater into the bedrock formation. Following the curing period (approximately 24 hours), bedrock was cored via a large diameter PQ-core bit (3-3/8-inch inner diameter and 4-7/8-inch outer diameter) in ten-foot lengths. Each core was inspected by TRC. As noted above, bedrock well corings were terminated 50 feet below bedrock surface or beneath the first identified major water bearing fracture, whichever was encountered first.

As a result of TRC's observations and discussions with the NYSDEC, it was determined that both bedrock monitoring wells would be completed as open holes, rather than screened as proposed in the September 2023 SC Work Plan. The rationale for completing each well as an open hole was to match the construction of the Jenkinsville Park bedrock supply wells. Following the conclusion of bedrock well installation, open borehole lengths were approximately 23 feet (BMW-101, from 207 to 230 feet bgs) and 50 feet (BMW-102, from 87 to 137 feet bgs). A tabular summary of the installed off-Site bedrock monitoring well depths can be found in **Table 1**.

Since BMW-101 and BMW-102 were completed in not regularly maintained areas, both locations were completed above ground surface within an approximately 3-foot-high steel standpipe, set in a concrete pad.

3.5.2 Monitoring Well Development

After installation, the monitoring wells were developed utilizing standard pump and surge methods with HDPE tubing. Depth to groundwater was measured using a water level meter prior to well development activities. Temperature, conductivity, pH, dissolved oxygen concentration, turbidity, and oxidation reduction potential were periodically measured with a water quality meter during development. The monitoring wells were considered developed once turbidity fell below 50 nephelometric turbidity units (NTUs), the well purged dry, or 10 well volumes were removed, whichever occurred first. Evidence of contamination (sheens, odors, etc.) was not observed in

well development water. The off-Site monitoring well development logs are included in **Appendix D**.

3.5.3 Groundwater Sampling

On October 3, 2023, a sample from the Harris Mud Pond Mine supply well (HMPSW) was collected. The sample was collected via a spigot while the well and mine were in operation. The sample from HMPSW was submitted to Eurofins for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 1633; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

Between December 5 and 8, 2023, TRC collected groundwater samples from the 10 off-Site overburden monitoring wells (MW-101 through MW-110) and 2 off-Site bedrock monitoring wells (BMW-101 and BMW-102) utilizing standard low-flow sampling techniques. No visual evidence of contamination was observed during groundwater sample collection. The groundwater sample logs documenting the completed activities can be found in **Appendix E**.

Following stabilization of field parameters, 13 groundwater samples (including one duplicate) were collected into laboratory supplied containers and submitted to Eurofins for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 1633;
- TCL VOCs plus 10 TICs by USEPA Method 8260;
- TCL SVOCs plus 20 TICs by USEPA Method 8270;
- PCBs by USEPA Method 8082; and
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7470, and 9012;
- Tritium by USEPA Method 906.0[1]; and
- Various organic chemistry and potential leachate indicators[2].

1 - Collected to assess the age of groundwater.
2 - Analytical data not subjected to validation.

3.5.3.1 Compound-Specific Isotope Analysis of 1,4-Dioxane

CSIA of 1,4-dioxane aids in identifying and differentiating potential source areas. TRC collected samples for CSIA of 1,4-dioxane at each off-Site monitoring well during the December 5 to 8, 2023 sampling. Additionally, the HMPSW supply well and on-Site well MW-3 were selected for

CSIA of 1,4-dioxane based on a review of historical groundwater sampling data. Groundwater samples for these wells were collected by TRC on December 12, 2023 using low flow sampling techniques or well spigot, as appropriate. CSIA samples were kept in refrigeration (either on ice or in cold storage at the Eurofins laboratory) pending review of the off-Site well 1,4-dioxane analytical results.

Due to laboratory limitations, only samples containing concentrations of 1,4-dioxane greater than 0.5 micrograms per liter (µg/L) were selected for CSIA. Following review of the total 1,4-dioxane analytical results, samples from seven wells (MW-102, MW-104, MW-105, MW-106, MW-110, HMPSW, and on-Site MW-3) were submitted to the University of Waterloo, Canada, under subcontract to TRC, for CSIA of 1,4-dioxane, specifically stable isotope analysis of carbon and hydrogen. As the University laboratory is not Environmental Laboratory Approval Program (ELAP) certified, nor is there a USEPA Method for CSIA, QA/QC samples were not collected, and analytical results were not validated.

3.6 Hydraulic Conductivity Assessment (December 2023)

On December 11 and 12, 2023, TRC performed falling head and rising head slug tests at the 10 off-Site overburden (MW-101 through MW-110) and two off-Site bedrock monitoring wells (BMW-101 and BMW-102). The purpose of the slug tests was to obtain estimates of the horizontal hydraulic conductivity of screened saturated soils and exposed bedrock.

Prior to testing at each well, the static water level was measured using a water level meter. Subsequently, a vented In-situ® Level Troll 700 data logger/pressure transducer was installed approximately five feet above each well bottom and programmed to measure water level changes in response to the introduction (falling head test) and subsequent removal (rising head test) of a solid cylindrical “slug” during the test and subsequent return to static conditions. Tests in the overburden monitoring wells were performed using a 1.5-inch diameter, 33.5-inch-long slug capable of displacing approximately 1/4 gallon of water. Tests in the bedrock monitoring wells were performed using a 3-inch diameter, 33.5-inch-long slug capable of displacing approximately 1 gallon of water.

Upon completion of the slug tests, water level response data, along with well construction information and aquifer thickness at each well were analyzed using analytical solutions developed by Cooper, Bredehoefeet, and Papadopulos (1967) for confined conditions and by Springer and Gelhar (1991), Dagan (1978), or the Kansas Geological Survey (1994) for unconfined conditions using the AQTESOLV® software program. The solutions selected for analysis of overburden wells were based on consideration of the following: rate of water level recovery (generally Springer and Gelhar or Kansas Geological Survey [KGS]) and partially penetrating wells (Dagan). The Springer and Gelhar solution can account for inertial effects (oscillatory responses) commonly seen in slug

tests in highly permeable formations whereas the KGS model may be more appropriate for submerged well screens when oscillatory responses are absent, and the rate of recovery is more moderated. Slug test output files are included in **Appendix F**.

3.7 Round 2 - Off-Site Monitoring Well Installation and Sampling (June to July 2024)

As noted above in **Section 3.5.1.3.2**, the new overburden monitoring wells were screened beneath the water table, within the apparent drinking water aquifer (based on publicly available private well construction information). The decision to screen within this lower zone deviated from the September 2023 Supplemental SC Work Plan, which proposed installing wells screened across the water table.

With the objective of understanding potential contamination at the water table and closing data gaps, in June 2024, TRC oversaw the installation of eight shallow overburden monitoring wells (MW-104S, MW-105S, MW-106S, and MW-108S through MW-112S) and subsequently sampled each new well. The rationale for each new well location was to delineate contamination found during the Round 1 groundwater sampling program (**Section 3.5.3**) (MW-111S and MW-112S) and investigate the shallow overburden for 1,4-dioxane which had been detected in deeper wells (MW-104S, MW-105S, and MW-108S through MW-110S). The locations of the eight additional off-Site monitoring wells can be found on **Figure 11**. The soil boring/monitoring well construction logs for the off-Site wells can be found in **Appendix B**.

3.7.1 Monitoring Well Installation

3.7.1.1 Utility Survey

Prior to the commencement of ground-intrusive activities, TRC contacted Dig Safely New York, received/reviewed confirmation receipts from each utility, and verified public mark-outs prior to intrusive work. On June 13, 2024, in addition to the public utility mark-out, OTM remobilized to the project area and scanned a 15-foot radius around each of proposed monitoring well location for the presence of subsurface utilities. Subsurface structures detected within the investigated radii were identified on the ground surface with paint using the APWA utility color codes. OTM's utility survey report can be found in **Appendix C**.

3.7.1.2 Community Air Monitoring Plan

In accordance with the NYSDOH Generic CAMP (DER-10, Appendix 1A), air monitoring was conducted during the ground intrusive investigation activities. The CAMP included monitoring for both fugitive dust and organic vapors. Fugitive dust and organic vapor action levels provided in

the NYSDOH Generic CAMP were used. The methods described above in **Section 3.5.1.2** were implemented during all drilling activities.

3.7.1.3 Soil Sampling

On June 17 and 18, 2024, TRC's direct push technology (DPT) drilling subcontractor, Parratt-Wolff, Inc. of East Syracuse, New York (PWI), advanced two soil borings (MW-111S and MW-112S) to several feet beneath the apparent groundwater depth, ranging from 20 feet bgs (MW-112S) to 24 feet bgs (MW-111S), utilizing a Geoprobe® and DPT sampling techniques. Soil borings were advanced at only these two locations as the water table depth was not known at the time of drilling (in the case of MW-111S and MW-112S), and/or subsurface soil had not been previously investigated (in the case of MW-112S).

Continuous soil cores were collected from each boring utilizing 1.5-inch diameter by 5-foot long PVC dual-tubes. Soil samples were screened using a PID, inspected for indications of contamination (e.g., staining, odors, etc.), and characterized using Modified Burmister and/or USCS methods. No visual evidence of contamination was observed during soil sample collection.

Only one soil sample, collected at a depth directly above the apparent water table (12 to 13 feet bgs) from MW-112S, was submitted for laboratory analysis. Soil in the vicinity of MW-111S had been previously collected and analyzed as part of the advancement of the borehole for BMW-102 (refer to **Section 3.5.1.4.1**). The one soil sample was submitted to Eurofins for the following analyses:

- 1,4-Dioxane by USEPA Method 8270E Low Level;
- PFAS by USEPA Method 1633; and
- TCL VOCs plus 10 TICs by USEPA Method 8260.

3.7.1.4 Monitoring Well Construction

Between June 19 and 24, 2024, in addition to MW-112S, seven shallow overburden groundwater monitoring wells were installed, offset approximately five feet from the deeper existing wells installed during Round 1 resulting in well clusters as follows: MW-104S/MW-104, MW-105S/MW-105, MW-106S/MW-106, MW-108S/MW-108, MW-109S/MW-109, MW-110S/MW-110, MW-111S/BMW-102.

Prior to drilling and where completed adjacent to an existing overburden monitoring well, depth to water measurements were collected (utilizing a water level meter) for use in determining the shallow overburden monitoring well termination depth. Except at MW-105S and MW-106S, each monitoring well was then installed via DPT through 3.25-inch OD rods and expendable points.

Due to the required greater depths of MW-105S (44.5 feet bgs) and MW-106S (52.5 feet bgs), these locations were installed via DPT through 2.25-inch OD rods and expendable points.

Construction details for the eight shallow overburden monitoring wells consist of the following:

- MW-104S, MW-108S, MW-109S, MW-110S, MW-111S, and MW-112S were constructed with 10 feet of 2-inch diameter 0.01-inch PVC filter sand pre-packed screen, set approximately 7 feet below and 3 feet above the measured or encountered water table, as conditions allowed.
- MW-105S and MW-106S were constructed with 10 feet of 1-inch diameter 0.01-inch PVC screen, also set 7 feet below and 3 feet above the measured water table, as conditions allowed.
- At all locations, the annulus between the well and borehole wall was backfilled with a No. 1 filter sand to 0.5 feet above the screen followed by a minimum 1-foot-thick hydrated bentonite seal. The remaining annulus was filled with a cement/bentonite grout to approximately 1-foot bgs.

In regularly landscaped areas, monitoring wells were completed within bolt-down flush mount manholes, set in a concrete pad (MW-104S, MW-105S, MW-108S, and MW-109S). In vegetated areas and/or irregularly landscaped areas, monitoring wells were completed above ground surface within a locking steel standpipe, also set in a concrete pad (MW-106S, MW-110S, MW-111S, and MW-112S).

3.7.2 Monitoring Well Development

Following installation, the eight monitoring wells were developed via inertial lift methods utilizing HDPE tubing and a check valve. Depth to groundwater and well bottom measurements were collected before and after well development activities using a PFAS-free water level meter. Development was considered complete when either turbidity was below 50 NTUs, the well purged dry, or 10 well volumes had been removed, whichever occurred first. The off-Site monitoring well development logs are included in **Appendix D**.

3.7.3 Groundwater Sampling

Between July 9 and 11, 2024, TRC collected groundwater samples from eight shallow off-Site overburden monitoring wells, Queensbury Landfill monitoring well MW-3, and McLaughlin Landfill monitoring well MW-1, using either standard low-flow (off-Site monitoring wells MW-108S through MW-112S) or bailing (Queensbury monitoring well MW-3, McLaughlin monitoring well MW-1, and off-Site monitoring wells MW-105S and MW-106S) sampling techniques. No visual evidence of

contamination was observed during groundwater water sample collection. The groundwater sample logs documenting the completed activities can be found in **Appendix E**.

Following stabilization of field parameters, groundwater samples were collected into laboratory supplied containers and submitted to Eurofins for the following analyses:

- 1,4-Dioxane by USEPA Method 8270 SIM;
- PFAS by USEPA Method 1633;
- TCL VOCs plus 10 TICs by USEPA Method 8260[1];
- TAL Metals plus mercury and cyanide by USEPA Methods 6010, 7470, and 9012[1,2,3]; and
- Various organic chemistry and potential leachate indicators[1,2,3].

1 – Analytical data not subjected to validation.
2 – Blind duplicate not collected for indicated parameters.
3 – Samples from the Queensbury and McLaughlin landfills were submitted for metals, and organic chemistry/potential leachate indicators.

3.8 Continuous Groundwater Level Monitoring (August 2024)

Following completion of the second round of groundwater sampling, absolute Heron® dipperLog data loggers were deployed at the Queensbury Landfill and off-Site monitoring wells located throughout the Jenkinsville neighborhood and Jenkinsville Park. Data loggers were deployed in eight monitoring wells (MW-104, MW-105, MW-106, MW-108, MW-109, MW-110, BMW-102, and Queensbury Landfill monitoring well MW-3), in addition to one atmospheric pressure data logger for water level compensation purposes, for a period of one month between July 16 and August 15, 2024. Collected water level data was used to evaluate the effect of local demand on groundwater level during peak summer, where water consumption was expected to be high. Graphs showing water level and temperature in each monitoring well during the deployment period can be found in **Appendix G**.

3.9 Supplemental Groundwater Sampling (September to October 2025)

At the request of the NYSDOH and NYSDEC, TRC completed supplemental groundwater sampling at the Queensbury Landfill, McLaughlin Landfill, and off-Site between September 23 and October 1, 2025.

Prior to the collection of groundwater samples, each well was gauged for depth to water and total well depth. Groundwater samples were then collected from all five Queensbury Landfill monitoring wells (MW-1 through MW-5), two McLaughlin Landfill monitoring wells (MW-1 and MW-5), seven shallow off-Site overburden monitoring wells (MW-105S, MW-106S, MW-108S, MW-109S, MW-

110S, MW-111S, and MW-112S), 10 deep off-Site overburden monitoring wells (MW-101 through MW-110), and two off-Site bedrock monitoring wells (BMW-101, and BMW-102). Groundwater samples were not collected from McLaughlin Landfill monitoring wells MW-2 through MW-4 and off-Site monitoring well MW-104S either due to well damage or dry/near-dry conditions.

Groundwater samples from Queensbury Landfill monitoring well MW-4, McLaughlin Landfill monitoring wells MW-1 and MW-5, and off-Site monitoring wells MW-105S and MW-106S were collected via standard purge and bail sampling techniques, due to difficult terrain or small diameter well construction, as applicable. McLaughlin monitoring well MW-5 was purged dry, and the recovery was sampled. All remaining groundwater samples were collected using standard low-flow sampling techniques. No visual evidence of contamination was observed during groundwater water sample collection. The groundwater sample logs documenting the completed activities at the Queensbury Landfill and the off-Site monitoring wells can be found in **Appendix H.**

Following stabilization of field parameters via low flow sampling techniques, removal of three well volumes via bailing, or upon recovery via bailing, groundwater samples were collected into laboratory supplied containers and submitted to Eurofins for the laboratory analyses listed below. Boron and alkalinity were included in the analysis suite to aid in differentiating potential contaminant plumes impacting groundwater.

- 1,4-Dioxane by USEPA Method 8270 SIM;
- Boron by USEPA Method 200.7; and
- Alkalinity by USEPA Method SM 2320.

3.10 Land Surveys (December 2021 and November 2023)

On December 15, 2021, Susan M. Anacker Professional Land Surveyor, PLLC of Deerfield, New York (Anacker), a New York State licensed land surveyor, surveyed the locations and elevations of monitoring wells (including adjacent ground surfaces, top of protective casings, and top of PVC risers) located across the four landfills and HMPSW. In addition and following installation of the first round of off-Site monitoring well locations (**Section 3.5**), on November 16, 2023, Anacker surveyed the locations and elevations of the 10 off-Site overburden and 2 bedrock monitoring wells.

It should be noted that the locations of the downgradient surface soil sample locations (**Section 3.1**), Mud Pond surface water and sediment sample locations (**Section 3.4**), and second round of monitoring well locations (**Section 3.7**), were surveyed by TRC utilized a handheld GPS unit, for incorporation into global information system (GIS) mapping. The signed/sealed

documentation for the December 2021 and November 2023 land survey activities can be found in **Appendix I**.

3.11 Periodic Investigation Derived Waste Disposal

IDW generated during above referenced activities included multiple media from 2022 to 2024. Applicable to all completed activities, consumables (e.g., tubing, bailers, sample liners, etc.), PPE, and excess/expended monitoring well materials (e.g., PVC, empty concrete bags, garbage, etc.) were disposed of as general refuse at the Town of Queensbury Transfer Station.

IDW disposal manifests and relevant documentation from completed activities can be found in **Appendix J**. IDW was disposed of periodically as summarized below.

Landfill Environmental Sampling (Section 3.3)
IDW generated during environmental sampling at each subject landfill primarily consisted of purge water. At the Queensbury, McLaughlin, and Finch-Pruyn Paper Landfills, purge water was discharged to the ground surface near each sampled monitoring well.

As noted in **Section 3.3.4.1**, purge and decontamination water generated at the Ciba-Geigy Landfill were containerized into 55-gallon drums and staged at the McLaughlin Landfill for characterization and off-site disposal. On August 29, 2022, two 55-gallon drums containing liquid IDW were transported off-site as non-hazardous waste by ACV Environmental Services, Inc. of Lewisberry, Pennsylvania for disposal at Cycle Chem, Inc. of Elizabeth, New Jersey.

Round 1 – Off-Site Monitoring Well Installation and Sampling (Section 3.5)
IDW generated during the first round of off-Site monitoring well installation included bulk liquids (i.e., well development water, decontamination liquids, sample purge water) and bulk solids (i.e., drill cuttings). Liquid IDW was containerized within a single 20,000-gallon frac tank and solid IDW was containerized within two lined 20-cubic yard roll-offs, staged in the Jenkinsville Park parking lot. Dry solid IDW from above the water table from monitoring wells located within the Harris Mud Pond Mine (MW-101, MW-102, MW-103, and BMW-101) was spread on ground surface within the vicinity of each location as approved by the NYSDEC. Wet solid IDW from below the water table was containerized within the roll-offs.

On December 14, 2023, 9,000 gallons of liquid IDW were transported off-Site by Precision Industrial Maintenance LLC of Schenectady, New York (PIM) for disposal at the Schenectady Wastewater Treatment Plant in Schenectady, New York. On January 5 and 16, 2024, a combined total of 6.35 tons of solid IDW were transported off-Site by PIM for disposal at Environmental Soil Management, Inc. of NY in Fort Edward, New York.

On December 12, 2023, the BMW-101 and BMW-102 bedrock cores were donated to the New York State Museum for long-term storage and academic use. If required in the future, bedrock cores may be accessed and inspected with prior notification made to the New York State Museum.

Round 2 – Off-Site Monitoring Well Installation and Sampling (Section 3.7)

IDW generated during the second round of off-Site monitoring well installation included small quantities of liquids (i.e., well development water, decontamination liquids, sample purge water) and solids (i.e., drill cuttings). The liquid and solid IDW were containerized within 55-gallon drums and staged within the Town of Queensbury Maintenance Yard, located in Jenkinsville Park.

On July 1 and 16, 2024, a combined total of six liquid IDW drums were transported off-Site by PIM for disposal at the Schenectady Wastewater Treatment Plant in Schenectady, New York. Additionally on July 1, 2024, one solid IDW drum was transported off-Site by PIM for disposal at Environmental Soil Management, Inc. of NY in Fort Edward, New York.

4.0 Discussion of Results

This section presents a summary of the results of the SC. As noted above in **Section 3.0**, Vali-Data or TRC performed data validation on applicable ASP-B laboratory deliverables. The results of laboratory analyses are summarized in **Tables 2** through **11**. The results of validation of the laboratory analytical data are summarized in **Section 4.14** and the Data Usability Summary Reports (DUSRs) are provided as **Appendix K**. The data validation was performed in accordance with NYSDEC requirements, including the requirements for development of DUSRs in Appendix 2B of DER-10. Electronic data deliverable (EDD) packages have been uploaded to the NYSDEC EQuIS database and the ASP-B laboratory deliverable packages have been provided to the NYSDEC.

4.1 Standards, Criteria, and Guidance

This subsection identifies the regulatory standards, criteria, and guidance (SCGs) used to evaluate the results of the analyses of soil, groundwater, surface water, leachate, and sediment samples. The SCGs used to evaluate the data associated with each specific media are described individually in the following sections.

Soil – Title 6 NYCRR Part 375, Tables 375-6.8(a) and (b) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and NYSDEC Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs proposed UUSCOs (currently considered Guidance Values)

Groundwater – NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (Class GA Values) and NYSDOH Maximum Contaminant Levels (MCLs)

Surface Water – NYSDEC TOGS 1.1.1 Class A Standards and Guidance Values (Class A Values) and NYSDOH MCLs

Leachate – NYSDEC TOGS 1.1.1 Class GA Standards and Guidance Values and NYSDOH MCLs

Sediment – NYSDEC Screening and Assessment of Contaminated Sediment, Table 5: Freshwater Sediment Guidance Values (FSGV)

4.2 Downgradient Surface Soil Sampling (November 2021)

An overview of the analytical results for the six surface soil samples (including one duplicate) collected as described above in **Section 3.1** is provided in the subsections below. Soil

encountered during sampling activities primarily consisted of sand with varying amounts of organic matter. The surface soil sample locations are shown on **Figure 3** and a summary of the surface soil analytical results is provided in **Table 2**.

4.2.1 1,4-Dioxane

1,4-Dioxane was not detected above laboratory quantitation limit in the six surface soil samples submitted for analysis.

4.2.2 Per- and Polyfluoroalkyl Substances

Of the six surface soil samples submitted for analysis, one contained a PFOS concentration exceeding the UUSCO. PFOS was detected at the highest concentration, 5.3 micrograms per kilogram (µg/kg) in SS-104, which exceeds the UUSCO of 0.88 µg/kg. Total PFAS concentrations ranged from 0.29 µg/kg in the duplicate of sample SS-103 to 6.27 µg/kg in SS-104.

4.2.3 Volatile Organic Compounds

Of the six surface soil samples submitted for analysis, three contained VOC concentrations exceeding UUSCOs. Acetone, a common laboratory contaminant, was detected at an estimated concentration above the UUSCO of 0.03 milligram per kilogram (mg/kg) in soil samples SS-102, SS-104, and SS-105. The highest estimated concentration (0.067 mg/kg) was detected in sample SS-104. No other VOCs were detected at concentrations exceeding UUSCOs.

4.2.4 Semi-Volatile Organic Compounds

SVOCs were not detected above laboratory quantitation limits in the six surface soil samples submitted for analysis.

4.2.5 Pesticides and Herbicides

Pesticides and herbicides were not detected above laboratory quantitation limits in the four surface soil samples submitted for analysis.

4.2.6 Metals

Metals were either not detected above laboratory quantitation limits or were detected at concentrations below UUSCOs in the four surface soil samples submitted for analysis.

4.2.7 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the four surface soil samples submitted for analysis.

4.3 Comprehensive Landfill Groundwater Gauging (December 2021)

Comprehensive groundwater gauging was conducted at the four landfills and Harris Mud Pond Mine, as described above in **Section 3.3**. As shown in **Table 1**, during the December 2, 2021 gauging event, measured depth to water across the four landfills ranged from 7.05 feet below top of casing (TOC) in Queensbury Landfill monitoring well MW-4 to 162.58 feet below TOC in Queensbury Landfill monitoring well MW-1. When adjusted to North American Vertical Datum of 1988 (NAVD 88), groundwater surface elevations in the landfill monitoring wells ranged from approximately 318.04 feet in Queensbury Landfill monitoring well MW-3 (located in the southern portion of the Site) to 348.14 feet in McLaughlin Landfill monitoring well MW-2 (located in the western portion of the McLaughlin Landfill).

Based on water table elevation measurements, groundwater flow direction is generally consistent with surface topography, flowing from the Queensbury, McLaughlin, and Ciba-Geigy Landfills to the southeast, and from the Finch-Pruyn Paper Landfill to the southwest, toward Mud Pond and Harris Mud Pond Mine. Groundwater surface elevations and inferred groundwater surface elevation contours, based on measurements from the December 2, 2021 gauging event, are shown on **Figure 4.**

4.4 Queensbury Landfill Environmental Sampling (April to June 2022)

Measured depth to groundwater during the April 2022 gauging event ranged from 6.65 feet below TOC (MW-4) to 162.06 feet below TOC (MW-1), as shown in **Table 1**. When adjusted to NAVD 88, groundwater surface elevations ranged from approximately 318.67 feet in monitoring well MW-3 (located in the southern portion of the Site) to 322.16 feet in monitoring well MW-5 (located in the northeastern portion of the Site). Groundwater surface elevations and inferred groundwater surface elevation contours, based on measurements from the April 2022 gauging event, are shown on **Figure 5.**

An overview of the analytical results for surface water, leachate, and groundwater samples collected as described above in **Section 3.3.1** is provided in the subsections below. No apparent indications of contamination (olfactory, visual, or PID) were observed in the samples collected. Sample locations, including analytes exceeding the applicable SCGs, can be found on **Figure 5**. A summary of the surface water, leachate, and groundwater analytical results is presented in **Table 3**.

4.4.1 Surface Water

One surface water sample (WS-01) was collected from runoff from the landfill cap. The sample, collected on April 12, 2022, was only analyzed for PFAS due to laboratory error and therefore the runoff was sampled again on April 22, 2022 for the remaining analyses.

4.4.1.1 1,4-Dioxane

1,4-Dioxane was not detected above laboratory quantitation limit in the surface water sample.

4.4.1.2 Per- and Polyfluoroalkyl Substances

Four individual PFAS compounds which do not have established SCGs were detected in the surface water sample. The total concentration of PFAS detected in the sample of runoff was 3.44 nanograms per liter (ng/L).

4.4.1.3 Volatile Organic Compounds

VOCs were not detected above laboratory quantitation limits in the surface water sample.

4.4.2 Leachate

One leachate sample (WL-01) was collected from a leachate manhole on the southeastern portion of the Site. The sample, collected on April 12, 2022, was only analyzed for PFAS due to laboratory error and therefore the leachate was sampled again on April 22, 2022 for the remaining analyses.

4.4.2.1 1,4-Dioxane

1,4-Dioxane was not detected above laboratory quantitation limit in the leachate sample.

4.4.2.2 Per- and Polyfluoroalkyl Substances

PFOA was detected in the leachate sample at a concentration of 4.2 ng/L, which is below its Class GA Value and NYSDOH MCL. Six additional individual PFAS compounds which do not have established SCGs were detected in the leachate sample submitted for analysis. The total concentration of PFAS detected in the leachate sample was 38.81 ng/L.

4.4.2.3 Volatile Organic Compounds

VOCs were not detected above laboratory quantitation limits in the leachate sample.

4.4.2.4 Semi-Volatile Organic Compounds

SVOCs were not detected above laboratory quantitation limits in the leachate sample.

4.4.2.5 Pesticides and Herbicides

Pesticides and herbicides were not detected above laboratory quantitation limits in the leachate sample.

4.4.2.6 Metals

Metals were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values.

4.4.2.7 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the leachate sample.

4.4.3 Groundwater

Seven groundwater samples, including one duplicate and a second sample collected at MW-3 for QA/QC purposes, were collected from monitoring wells MW-1 through MW-5 and submitted for laboratory analysis.

4.4.3.1 1,4-Dioxane

Of the seven groundwater samples submitted for analysis, two samples contained a 1,4-dioxane concentration exceeding the Class GA Value and NYSDOH MCL of 0.35 µg/L and 1 µg/L, respectively. 1,4-Dioxane was detected at a concentration of 5.0 µg/L in the sample collected from MW-3 in April 2022 and at a concentration of 6.2 µg/L in the QA/QC sample collected from MW-3 in June 2022. 1,4-Dioxane was not detected above laboratory quantitation limits in the remaining groundwater samples.

4.4.3.2 Per- and Polyfluoroalkyl Substances

Of the six groundwater samples submitted for analysis, PFOA was detected at concentrations which exceed the Class GA Value 6.7 ng/L and the NYSDOH MCL of 10 ng/L in three samples, including the duplicate. The highest concentration of PFOA (51 ng/L) was detected in the duplicate sample collected from MW-2. PFOS was detected at concentrations which exceed the Class GA Value of 2.7 ng/L, but do not exceed the NYSDOH MCL of 10 ng/L in three groundwater samples, including the duplicate. The highest concentration of PFOS (3.7 ng/L) was detected in the sample collected from MW-2. Total PFAS concentrations ranged from 4.58 ng/L in sample MW-1 and 77.15 ng/L in the duplicate sample collected from MW-2.

4.4.3.3 Volatile Organic Compounds

VOCs were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values in the six groundwater samples submitted for analysis.

4.4.3.4 Semi-Volatile Organic Compounds

SVOCs were not detected above laboratory quantitation limits in the five groundwater samples submitted for analysis.

4.4.3.5 Pesticides and Herbicides

Pesticides (five samples) and herbicides (six samples) were not detected above laboratory quantitation limits in the groundwater samples submitted for analysis.

4.4.3.6 Metals

Metals, including iron, magnesium, manganese, and/or sodium, were detected at concentrations exceeding Class GA Values in all five groundwater samples submitted for analysis. The highest concentration of iron (4,100 µg/L) was detected in the sample collected from MW-2, the highest concentrations of magnesium (61,000 µg/L) and manganese (1,700 µg/L) were detected in the sample collected from MW-3, and the highest concentration of sodium (52,000 µg/L) was detected in the sample collected from MW-5. Other metals were either not detected above laboratory quantitation limits or were detected at concentrations below applicable Class GA Values.

4.4.3.7 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the five groundwater samples submitted for analysis.

4.5 McLaughlin Landfill Environmental Sampling (April 2022)

Measured depth to water during the April 2022 gauging event ranged from 88.40 feet below TOC (MW-5) to 140.54 feet below TOC (MW-3), as shown in **Table 1**. When adjusted to NAVD 88, groundwater surface elevations ranged from 320.53 feet (MW-5) to 348.05 feet (MW-2). Depth to groundwater was not measured in MW-4 due to well damage. Groundwater surface elevations and inferred groundwater surface elevation contours, based on measurements from the April 2022 gauging event, are shown on **Figure 6.**

An overview of the analytical results for groundwater samples collected as described above in **Section 3.3.2** is provided in the subsections below. No apparent indications of contamination (olfactory, visual, or PID) were observed in the samples collected. The groundwater sample locations including analytes exceeding the applicable SCGs, can be found on **Figure 6**. A summary of the groundwater analytical results is presented in **Table 4**.

4.5.1 Groundwater

Four groundwater samples were collected from monitoring wells MW-1 through MW-3 and MW-5 and submitted for laboratory analysis.

4.5.1.1 1,4-Dioxane

Of the four groundwater samples submitted for analysis, all four contained concentrations of 1,4-dioxane exceeding the Class GA Value of 0.35 µg/L only. 1,4-Dioxane was detected at concentrations ranging from 0.38 µg/L (MW-5) to 0.42 µg/L (MW-1).

4.5.1.2 Per- and Polyfluoroalkyl Substances

PFAS were either not detected above laboratory quantitation limits or were detected at concentrations below applicable SCGs. Total PFAS ranged from 27.74 ng/L in the sample collected from MW-3 to 29.68 ng/L in the sample collected from MW-2.

4.5.1.3 Volatile Organic Compounds

VOCs were either not detected above laboratory quantitation limits or were detected at concentrations below applicable SCGs in the four groundwater samples submitted for analysis.

4.5.1.4 Semi-Volatile Organic Compounds

SVOCs were not detected above laboratory quantitation limits in the two groundwater samples submitted for analysis.

4.5.1.5 Pesticides and Herbicides

Pesticides and herbicides were not detected above laboratory quantitation limits in the two groundwater samples submitted for analysis.

4.5.1.6 Metals

Metals, including iron, magnesium, and manganese, were detected at concentrations exceeding Class GA Values in both groundwater samples submitted for analysis, as presented in **Table 4**. Of the metals detected at concentrations exceeding Class GA Values, the highest concentrations were detected in the sample collected from MW-05 (iron at 3,600 µg/L, magnesium at 50,000 µg/L, and manganese at 1,400 µg/L). Other metals were either not detected above laboratory quantitation limits or were detected at concentrations which do not exceed applicable Class GA Values in the two groundwater samples submitted for analysis.

4.5.1.7 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the two groundwater samples submitted for analysis.

4.6 Finch-Pruyn Paper Landfill Environmental Sampling (April 2022)

Measured depth to groundwater during the April 2022 gauging event ranged from 11.38 feet below TOC (MW-B) to 77.81 feet below TOC (MW-3AR), as shown in **Table 1**. When adjusted to feet NAVD 88, groundwater surface elevations ranged from 321.19 feet (MW-4E) to 330.84 feet (MW-3AR). Groundwater surface elevations and inferred groundwater surface elevation contours, based on measurements from the April 2022 gauging event, are shown on **Figure 7.**

An overview of the analytical results for surface water and groundwater samples collected as described above in **Section 3.3.3** is provided in the subsections below. No apparent indications of contamination (olfactory, visual, or PID) were observed in the samples collected. The sample locations including analytes exceeding the applicable SCGs, can be found on **Figure 7**. A summary of the surface water and groundwater analytical results is presented in **Table 5**.

4.6.1 Surface Water

One surface water sample (WS-01) was collected from runoff from the landfill cap and submitted for laboratory analysis.

4.6.1.1 1,4-Dioxane

1,4-Dioxane was not detected above laboratory quantitation limit in the surface water sample.

4.6.1.2 Per- and Polyfluoroalkyl Substances

PFOS was detected at a concentration below the Class A Value in the surface water sample. Three additional individual PFAS compounds which do not have established SCGs were detected in the sample. The total concentration of PFAS detected was 3.57 ng/L.

4.6.1.3 Volatile Organic Compounds

Acetone, a common laboratory contaminant, was detected at a concentration above laboratory quantitation limits. There is no Class A Value for acetone. Other VOCs were not detected above laboratory quantitation limits.

4.6.2 Groundwater

Five groundwater samples, including one duplicate sample, were collected from monitoring wells MW-3AR, MW-4D, MW-4E, MW-B and submitted for laboratory analysis.

4.6.2.1 1,4-Dioxane

1,4-Dioxane was not detected above laboratory quantitation limits in the five groundwater samples.

4.6.2.2 Per- and Polyfluoroalkyl Substances

PFAS were either not detected above laboratory quantitation limits or were detected at concentrations below applicable SCGs in all five groundwater samples. The total concentrations of PFAS detected ranged from 0.85 ng/L in the sample collected from MW-B to 6.57 ng/L in the sample collected from MW-3AR.

4.6.2.3 Volatile Organic Compounds

VOCs were not detected above laboratory quantitation limits in the five groundwater samples.

4.6.2.4 Semi-Volatile Organic Compounds

SVOCs were not detected above laboratory quantitation limits in the three groundwater samples.

4.6.2.5 Pesticides and Herbicides

Pesticides and herbicides were not detected above laboratory quantitation limits in the three groundwater samples submitted for analysis.

4.6.2.6 Metals

The metals iron and manganese were detected at concentrations exceeding Class GA Values in the three groundwater samples submitted for analysis, as presented in **Table 5**. The highest concentrations of iron (5,700 µg/L) and manganese (1,100 µg/L) were detected in the sample collected from MW-4D. Other metals were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values in the groundwater samples submitted for laboratory analysis.

4.6.2.7 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the three groundwater samples submitted for analysis.

4.7 Ciba-Geigy Landfill Environmental Sampling (June 2022)

Measured depth to water in overburden monitoring wells during the June 2022 gauging event ranged from 113.43 feet below TOC (MW-6) to 130.91 feet below TOC (MW-9), as shown in **Table 1**. Measured depth to groundwater in bedrock monitoring wells during the June 2022 gauging event ranged from 114.18 feet below TOC (MW-7) to 150.91 feet below TOC (MW-2). When adjusted to feet NAVD 88, overburden groundwater surface elevations ranged from 322.41 feet (MW-5) to 323.06 feet (MW-6), while bedrock groundwater surface elevations ranged from 322.06 feet (MW-7) to 323.05 feet (MW-2).

An overview of the analytical results for groundwater samples collected as described above in **Section 3.3.4** is provided in the subsections below. No apparent indications of contamination (olfactory, visual, or PID) were observed in the samples collected. Overburden groundwater sample locations including analytes exceeding the applicable SCGs, can be found on **Figure 8**. Bedrock groundwater sample locations including analytes exceeding the applicable SCGs can be found on **Figure 9**. A summary of the groundwater analytical results is presented in **Table 6**.

4.7.1 Groundwater

Ten groundwater samples, including one duplicate, were collected from Ciba-Geigy landfill monitoring wells (MW-1 through MW-7, MW-2B, and MW-9).

4.7.1.1 1,4-Dioxane

1,4-Dioxane was detected at concentrations above the Class GA Value of 0.35 µg/L in seven of the 10 groundwater samples submitted for analysis. 1,4-Dioxane was detected at a concentration above the NYSDOH MCL of 1 µg/L in one of the 10 groundwater samples submitted for analysis. 1,4-Dioxane was detected at concentrations ranging from 0.26 µg/L (MW-2) to 1.4 µg/L (MW-7).

4.7.1.2 Per- and Polyfluoroalkyl Substances

The groundwater sample collected from MW-4 contained PFOS at a concentration (3.2 ng/L) above the Class GA Value of 2.7 ng/L, but below the NYSDOH MCL of 10 ng/L. Six samples contained PFOA concentrations equal to or above the Class GA Value of 6.7 ng/L. Four samples contained PFOA concentrations above the NYSDOH MCL of 10 ng/L. The highest PFOA concentration (24 ng/L) was detected in the sample collected from MW-6. Total PFAS concentrations ranged from 9.09 ng/L in the sample collected from MW-7 to 126.28 ng/L in the sample collected from MW-4.

4.7.1.3 Volatile Organic Compounds

VOCs were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values in the 10 groundwater samples.

4.7.1.4 Semi-Volatile Organic Compounds

SVOCs were not detected above laboratory quantitation limits in the five groundwater samples submitted for analysis.

4.7.1.5 Pesticides and Herbicides

2,4,5-TP (Silvex) was detected at concentrations above the Class GA Value of 0.26 µg/L in two of the five groundwater samples submitted for analysis. Concentrations of 2,4,5-TP (Silvex) were detected in the samples collected from MW-1 (1.7 µg/L) and MW-9 (4.0 µg/L). Pesticides and herbicides were not detected above laboratory quantitation limits in the remaining three groundwater samples submitted for analysis.

4.7.1.6 Metals

The metals iron, magnesium, manganese, and/or sodium were detected at concentrations exceeding Class GA Values in all five groundwater samples submitted for analysis, as presented in **Table 6**. Sodium (Class GA Value of 20,000 µg/L) was detected at the highest concentration in each of the five samples and ranged from 42,000 µg/L (MW-7) to 73,000 µg/L (MW-1). Other metals were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values in the five groundwater samples submitted for analysis.

4.7.1.7 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the five groundwater samples submitted for analysis.

4.8 Mud Pond Surface Water and Sediment Sampling (June 2022)

An overview of the analytical results for surface water and sediment samples collected as described above in **Section 3.4** is provided in the subsections below. No apparent indications of contamination (olfactory, visual, or PID) were observed in the samples collected.

4.8.1 Surface Water

Four surface water samples, including one duplicate, were collected from three locations in Mud Pond (WS-101 through WS-103). The surface water sample locations, including analytes

exceeding the applicable SCGs can be found on **Figure 10**. A summary of the surface water sample analytical results is presented in **Table 7**.

4.8.1.1 1,4-Dioxane

1,4-Dioxane was not detected above laboratory quantitation limits in the four surface water samples submitted for analysis.

4.8.1.2 Per- and Polyfluoroalkyl Substances

PFAS were either not detected above laboratory quantitation limits or were detected at concentrations below the Class A Guidance Value. PFOS was detected in one sample at a concentration below the Class A Value. Total PFAS concentrations ranged from 4.82 ng/L (WS-101 duplicate sample) and 6.15 ng/L (WS-103).

4.8.1.3 Volatile Organic Compounds

Acetone, a common laboratory contaminant, was detected above the laboratory quantitation limit in all four surface water samples submitted for analysis. There are no applicable SCGs for acetone in surface water. Other VOCs were not detected above laboratory quantitation limits in the four surface water samples.

4.8.1.4 Semi-Volatile Organic Compounds

SVOCs were not detected above laboratory quantitation limits in the two surface water samples submitted for analysis.

4.8.1.5 Pesticides and Herbicides

Pesticides and herbicides were not detected above laboratory quantitation limits in the two surface water samples submitted for analysis.

4.8.1.6 Metals

Metals were either not detected above laboratory quantitation limits or were detected at concentrations below Class A Values in the two surface water samples submitted for analysis.

4.8.1.7 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the two surface water samples submitted for analysis.

4.8.2 Sediment

Four sediment samples, including one duplicate, were collected from three locations at Mud Pond (SE-101 through SE-103). The sediment sample locations, including analytes exceeding the applicable SCGs can be found on **Figure 10**. A summary of the sediment sample analytical results is presented in **Table 8**.

4.8.2.1 1,4-Dioxane

Of the four sediment samples submitted for analysis, three samples, including the duplicate, contained 1,4-dioxane at concentrations above laboratory quantitation limits. Concentrations ranged from 29 µg/kg (SE-101) and 78 µg/kg (SE-102). There are no applicable FSGVs for 1,4-dioxane in sediment.

4.8.2.2 Per- and Polyfluoroalkyl Substances

Two sediment samples contained one individual PFAS compound above laboratory quantitation limits. In both SE-101 (duplicate) and SE-102, only perfluorobutanoic acid (PFBA) was detected, at concentrations of 1.2 µg/kg and 1.4 µg/kg, respectively. There are no applicable FSGVs for PFAS in sediment.

4.8.2.3 Volatile Organic Compounds

All four samples contained individual VOCs at concentrations above laboratory quantitation limits. There are no applicable FSGVs for the VOCs detected.

4.8.2.4 Semi-Volatile Organic Compounds

Of the two sediment samples submitted for analysis, one sample contained an individual SVOC at a concentration above the laboratory quantitation limit. There is no applicable FSGV for the SVOC detected.

4.8.2.5 Pesticides and Herbicides

Pesticides and herbicides were not detected above laboratory quantitation limits in either of the two sediment samples submitted for analysis.

4.8.2.6 Metals

Metals were not detected above laboratory quantitation limits or were detected at concentrations below applicable FSGVs in the sediment samples.

4.8.2.7 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the sediment samples submitted for analysis.

4.9 Round 1 - Off-Site Monitoring Well Installation and Soil and Groundwater Sampling (October to December 2023)

During installation of the monitoring wells, off-Site soil encountered consisted primarily of sand with varying amounts of gravel and/or cobble to the termination depths. Clay was encountered at varying depths in boring locations BMW-102, MW-108, MW-109, and MW-110. Packed glacial till, or “hard pan”, was encountered in three locations at depths ranging from 90 feet bgs (MW-108) to 172.5 feet bgs (BMW-101). No indications of contamination (visual, olfactory, and PID) were observed in screened soil. The locations of the off-Site monitoring wells can be found on **Figure 11** and select soil sample analytical results are provided on **Figure 12**.

Bedrock observed at BMW-101 and BMW-102 was identified to be mudstone, with fractures and weathering throughout. Rock quality designations for cored bedrock ranged from 10.67 (BMW-101 at a depth of 217 to 220.5 feet bgs) to 95.2 (BMW-102 at a depth 118 to 128 feet bgs), indicating a weaker mudstone in BMW-101 than BMW-102. A comparison of the rock quality designations for both wells indicate a weaker mudstone in BMW-101 than in BMW-102.

Measured depth to groundwater during the December 2023 overburden well groundwater gauging event ranged from 20.83 feet below TOC (MW-109) to 106.12 feet below TOC (MW-102), as shown in **Table 1**. When adjusted to feet NAVD 88, groundwater surface elevations ranged from 308.04 feet (MW-107) to 322.52 feet (MW-103).

Measured depth to groundwater during the December 2023 bedrock well groundwater gauging event ranged from 44.92 feet below TOC (BMW-102) to 105.12 feet below TOC (BMW-101), as shown in **Table 1**. When adjusted to feet NAVD 88, groundwater surface elevations ranged from 314.73 feet (BMW-102) to 319.69 feet (BMW-101).

As shown on **Figure 13**, The inferred predominant groundwater flow direction for the off-Site area south of the landfills, based on water table elevation measurements recorded on December 5, 2023, is generally to the southeast, with localized southwesterly and southerly flow from Mud Pond towards Harris Mud Pond Mine and the residential neighborhood.

An overview of the analytical results for subsurface soil and groundwater samples collected is provided in the subsections below.

4.9.1 Subsurface Soil

Sixteen subsurface soil samples, including two duplicates, collected during installation of the off-Site borings were submitted for analysis. The soil boring locations are shown on **Figure 11** and a summary of the analytical results is provided in **Table 9**.

4.9.1.1 1,4-Dioxane

1,4-Dioxane was not detected above the laboratory quantitation limits in any of the 16 subsurface soil samples submitted for analysis.

4.9.1.2 Per- and Polyfluoroalkyl Substances

PFAS were either not detected above laboratory quantitation limits or were detected at concentrations below applicable SCGs. Only one soil sample, BMW-102 (76 to 77 feet bgs), contained PFAS above laboratory quantitation limits. The total PFAS concentrations in BMW-102 (76 to 77 feet bgs) equaled 0.058 µg/kg. A map showing relevant PFAS detected in off-Site soil samples is provided on **Figure 12**.

4.9.1.3 Volatile Organic Compounds

Of the 16 soil samples submitted for analysis, four contained concentrations of acetone, a common laboratory contaminant, exceeding the UUSCO. Acetone was detected at concentrations up to 0.043 mg/kg (MW-110 at 77 to 78 feet bgs). No other VOCs were detected at concentrations exceeding UUSCOs.

4.9.2 Groundwater

A total of 14 groundwater samples, including one duplicate, were collected from the off-Site monitoring wells (MW-101 through MW-110, BMW-101, BMW-102) and off-Site supply well HMPSW and submitted for laboratory analysis. The groundwater sample locations, including analytes detected at concentrations above SCGs are shown on **Figure 13**. A summary of the groundwater analytical results is presented in **Table 10**.

4.9.2.1 1,4-Dioxane

Of the 14 groundwater samples submitted for analysis, nine samples contained 1,4-dioxane at concentrations above the Class GA Value of 0.35 µg/L. Three samples, including the duplicate sample collected at MW-110, contained 1,4-dioxane concentrations above the NYSDOH MCL of 1 µg/L.1,4-Dioxane was detected at concentrations up to 2.7 µg/L (MW-110 and duplicate).

4.9.2.2 Per- and Polyfluoroalkyl Substances

PFOA and PFOS were not detected at concentrations above the Class GA Value or NYSDOH MCL in any of the 14 off-site groundwater samples submitted for analysis. Total PFAS concentrations ranged from 2.45 ng/L in the sample collected from MW-102 to 24.7 ng/L in the sample collected from MW-110.

4.9.2.3 Volatile Organic Compounds

VOCs were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values in the 14 groundwater samples submitted for analysis.

4.9.2.4 Semi-Volatile Organic Compounds

SVOCs were either not detected above laboratory quantitation limits or were detected at concentrations below applicable Class GA Values in the 13 groundwater samples submitted for analysis.

4.9.2.5 Metals

The metals iron, magnesium, manganese, and/or sodium were detected at concentrations exceeding Class GA Values in 12 of the 13 groundwater samples submitted for analysis, as presented in **Table 10**. Of the metals detected at concentrations exceeding Class GA Values, the highest concentration of iron (13,200 µg/L) was detected in the sample collected from BMW-101, the highest concentration of magnesium (83,000 µg/L) was detected in the sample collected from MW-108, the highest concentration of manganese (1,600 µg/L) was detected in the sample collected from MW-104, and the highest concentration of sodium (91,200 µg/L) was detected in the duplicate sample collected from MW-110. Other metals were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values in the groundwater samples.

4.9.2.6 Polychlorinated Biphenyls

PCBs were not detected above laboratory quantitation limits in the 13 groundwater samples submitted for analysis.

4.9.2.7 Radiological - Tritium

Tritium was not detected above laboratory quantitation limits in the 13 groundwater samples submitted for analysis.

4.9.2.8 Organic Chemistry and Potential Leachate Indicators

Organic chemistry and potential leachate indicators were either not detected above laboratory quantitation limits or were detected at concentrations below applicable Class GA Values in the 13 groundwater samples submitted for analysis.

4.9.2.9 Compound-Specific Isotope Analysis of 1,4-Dioxane

As described above in **Section 3.5.3.1,** select groundwater samples were submitted for CSIA of 1,4-dioxane, either based on a review of historical 1,4-dioxane analytical results (MW-S, MW-6S, MW-6D, MW-6X and MW-7D) or upon receipt of 1,4-dioxane analytical results (TS-ASW discrete packer testing groundwater samples). CSIA results are reported as delta values ($\delta^{13}C$ and $\delta^{2}H$) of the stable isotope ratios $^{13}C/^{12}C$ and $^{2}H/^{1}H$ in environmental samples relative to those of known isotopic standards (Vienna Pee Dee Belemnite [VPDB] for carbon and Vienna Standard Mean Ocean Water [VSMOW] for hydrogen), where the delta values are defined as:

$$\delta^{13}C = \left[\frac{\left(^{13}C/^{12}C\right)_{sample} - \left(^{13}C/^{12}C\right)_{standard}}{\left(^{13}C/^{12}C\right)_{standard}}\right] * 1000$$

$$\delta^{2}H = \left[\frac{\left(^{2}H/^{1}H\right)_{sample} - \left(^{2}H/^{1}H\right)_{standard}}{\left(^{2}H/^{1}H\right)_{standard}}\right] * 1000$$

An overview of the analytical results for groundwater samples collected as described above in **Section 3.5.3** is provided in the subsections below and summarized in **Table 11**. The groundwater sampling locations, including a summary of analytical results, are shown on **Figure 14**. The laboratory analytical report is provided as **Appendix L**.

Queensbury Monitoring Well MW-3

The sample collected from Queensbury Landfill monitoring well MW-3 exhibited a $\delta^{13}C$ (carbon) value of -32.92 parts per thousand (‰) VPDB and a $\delta^{2}H$ (hydrogen) value of -6.595 ‰ VSMOW.

Off-Site Overburden Monitoring Wells

In the samples collected from the off-Site overburden monitoring wells, $\delta^{13}C$ (carbon) ranged from -36.56 ‰ VPDB (MW-110) to -32.93 ‰ VPDB (MW-106) and $\delta^{2}H$ (hydrogen) ranged from -81.5 ‰ VSMOW (MW-102) to 139.7 ‰ VSMOW (MW-110).

Harris Mud Pond Supply Well

The Harris Mud Pond supply well (HMPSW) exhibited a $\delta^{13}C$ (carbon) value of -33.57 ‰ VPDB and a $\delta^{2}H$ (hydrogen) value of -58.74 ‰ VSMOW.

4.10 Hydraulic Conductivity Assessment and Groundwater Monitoring (December 2023)

An overview of the results of the hydraulic conductivity assessment and groundwater monitoring conducted as described above in **Section 3.6** is provided below.

Rising head hydraulic conductivities for bedrock wells fell in a range between 1.39E-04 (BMW-102) and 3.28E-04 (BMW-101) centimeters per second (cm/sec), while falling head hydraulic conductivities fell in a range between 2.27E-04 cm/sec (BMW-102) and 3.19E-04 cm/sec (BMW-101). Estimated hydraulic conductivity in bedrock is within the range commonly associated with transmissive fractured bedrock.

Rising head hydraulic conductivities for overburden wells fell in a range between 9.83E-04 (MW-110) and 1.54E-01 (MW-101) cm/sec. Falling head hydraulic conductivities fell in a range between 1.06E-03cm/sec (QNSB-MW-110) and 1.32E-03cm/sec (MW-103). Estimated hydraulic conductivity of overburden materials are within the range commonly associated with sand and gravel and are consistent with previous investigations.

Hydraulic conductivities for the tested wells are summarized in **Table 12**.

4.11 Round 2 – Off-Site Monitoring Well Installations and Sampling (June to July 2024)

Soil encountered during installation of the off-Site monitoring wells consisted primarily of sand with varying amounts of gravel in the boreholes for both MW-111S and MW-112S. No indications of contamination (visual, olfactory, and PID) were observed in screened soil.

Measured depth to groundwater during the July 2024 shallow overburden well groundwater gauging event ranged from 5.12 feet below TOC (MW-109S) to 48.23 feet below TOC (MW-106S), as shown in **Table 1**. Monitoring wells installed in June 2024 were not surveyed; therefore, groundwater surface elevations were not calculated.

4.11.1 Subsurface Soil

One subsurface soil sample, collected during installation of the off-Site boring MW-112S, was submitted for analysis. The soil boring location is shown on **Figure 11** and a summary of the analytical results is provided in **Table 9**.

4.11.1.1 1,4-Dioxane

1,4-Dioxane was not detected above the laboratory quantitation limits.

4.11.1.2 Per- and Polyfluoroalkyl Substances

PFOS was detected at a concentration of 1.2 µg/kg, which exceeds the UUSCO of 0.88 µg/kg. No other PFAS compounds were detected at concentrations above UUSCOs. The total PFAS concentration in MW-112S (77 to 78 feet bgs) equaled 1.31 µg/kg. A map showing relevant PFAS detected in off-Site soil samples is provided on **Figure 12**.

4.11.1.3 Volatile Organic Compounds

VOCs were either not detected above laboratory quantitation limits or were detected at concentrations below UUSCOs in the 17 off-site subsurface soil samples submitted for analysis.

4.11.2 Groundwater

Following installation of the seven additional shallow overburden monitoring wells, eight groundwater samples, including one duplicate, were collected from monitoring wells MW-105S, MW-106S, and MW-108S through MW-112S and submitted for laboratory analysis. In addition, Queensbury Landfill well MW-3 and McLaughlin Landfill well MW-1 were sampled for select parameters to provide comparison to off-Site results. These locations were selected based upon the higher 1,4-dioxane concentrations detected (refer to **Sections 4.4.3.1** and **4.5.1.1**). The groundwater sampling locations, including analytes exceeding the applicable SCGs, are shown on **Figure 13**. A summary of the groundwater analytical results is presented in **Table 10**.

4.11.2.1 1,4-Dioxane

1,4-Dioxane was either not detected above laboratory quantitation limits or was detected at concentrations below the NYSDEC Class GA Value and NYSDOH MCL in the eight groundwater samples submitted for analysis.

4.11.2.2 Per- and Polyfluoroalkyl Substances

The groundwater sample collected from MW-105S contained PFOS at a concentration (7.3 ng/L) exceeding the Class GA Value of 2.7 ng/L, but below the NYSDOH MCL of 10 ng/L. Other PFAS compounds were either not detected above laboratory quantitation limits or were detected at concentrations below applicable SCGs. Total PFAS concentrations ranged from non-detect in the samples collected from MW-110S and MW-111S to 130.7 ng/L in the sample collected from MW-106S.

4.11.2.3 Volatile Organic Compounds

VOCs were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values in the eight groundwater samples submitted for analysis.

4.11.2.4 Metals

The metals iron, magnesium, manganese, and/or sodium were detected at concentrations exceeding Class GA Values in six of the nine samples submitted for analysis. The highest concentrations detected were as follows: iron (9,200 µg/L) in McLaughlin Landfill well MW-1, magnesium (80,600 µg/L) and manganese (1,800 µg/L) in off-Site well MW-106S, and sodium (90,200 µg/L) in off-Site well MW-105S. Other metals were either not detected above laboratory quantitation limits or were detected at concentrations below Class GA Values.

4.11.2.5 Organic Chemistry and Potential Leachate Indicators

Organic chemistry and potential leachate indicators were either not detected above laboratory quantitation limits or were detected at concentrations below applicable Class GA Values in the 13 groundwater samples submitted for analysis

4.12 Continuous Groundwater Elevation Monitoring (August 2024)

As shown in the groundwater elevation and temperature trend graphs provided in **Appendix G**, water level and temperature were relatively stable over the one-month long period. Short-term and low magnitude (less than 0.3 feet) groundwater drawdown and recovery cycles are reflected in the graphs which are observed in the local aquifer in response to periodic residential well usage. The relatively stable water levels during the August summer month underscore the highly transmissive and storage characteristics of the overburden aquifer. The greatest influence recorded (greater than 0.5 feet) in groundwater elevation was measured in bedrock monitoring BMW-102. The potential reason for water elevation variability is that BMW-102 is located near a Jenkinsville Park bedrock supply well, indicating the supply well has influence over the aquifer in the vicinity of BMW-102 when actively pumping.

4.13 Supplemental Groundwater Supplemental Sampling (September to October 2025)

A total of 29 groundwater samples, including three duplicates, were collected from five Queensbury Landfill monitoring wells (MW-1 through MW-5), two McLaughlin Landfill monitoring wells (MW-1 and MW-5), seven shallow off-Site overburden monitoring wells (MW-108S through MW-112S), 10 deep off-Site overburden monitoring wells (MW-101 through MW-110), and two off-Site bedrock monitoring wells (BMW-101 and BMW-102), and submitted for laboratory analysis. An overview of the analytical results for groundwater samples collected as described above in **Section 3.9** is provided in the subsections below. No apparent indications of contaminant (olfactory, visual, or PID) were observed in the samples collected. A summary of the groundwater analytical results is presented in **Table 14**.

4.13.1 Queensbury Landfill

Measured depth to groundwater during the September 2025 gauging event ranged from 6.10 feet below TOC (MW-4) to 161.02 feet below TOC (MW-1), as shown in **Table 1**. When adjusted to NAVD 88, groundwater surface elevations ranged from approximately 319.99 feet in monitoring well MW-3 (located in the southern portion of the Site) to 322.99 feet in monitoring well MW-5 (located in the northeastern portion of the Site). The groundwater sampling locations, including a summary of analytical results and inferred September 2025 groundwater surface elevation contours, are shown on **Figure 15**.

4.13.1.1 1,4-Dioxane

Of the six groundwater samples submitted for analysis (including one duplicate), one sample contained a 1,4-dioxane concentration exceeding the Class GA Value of 0.35 µg/L and the NYSDOH MCL of 1 µg/L. 1,4-Dioxane was detected at a concentration of 7.1 µg/L in the sample collected from MW-3. 1,4-Dioxane was not detected above laboratory quantitation limits in the remaining groundwater samples.

4.13.1.2 Boron

Boron was detected in all samples and ranged in concentration from 11.4 µg/L (MW-5) to 258 µg/L (MW-3), all below the Class GA Value of 1,000 µg/L.

4.13.1.3 Alkalinity

The measured concentrations of alkalinity in all samples ranged from 200 milligrams per liter (mg/L) (MW-4) to 610 mg/L (MW-2). No NYSDEC Class GA Value exists for this analyte.

4.13.2 McLaughlin Landfill

Measured depth to water during the September 2025 gauging event ranged from 87.44 feet below TOC (MW-5) to 138.85 feet below TOC (MW-3), as shown in **Table 1**. When adjusted to NAVD 88, groundwater surface elevations ranged from 321.49 feet (MW-5) to 348.44 feet (MW-2). Depth to groundwater was not measured in MW-4 due to well damage. The groundwater sampling locations, including a summary of analytical results and inferred September 2025 groundwater surface elevation contours, are shown on **Figure 16**.

4.13.2.1 1,4-Dioxane

Of the three groundwater samples submitted for analysis (including one duplicate), all three contained concentrations of 1,4-dioxane exceeding the Class GA Value of 0.35 µg/L only. 1,4-Dioxane was detected at concentrations ranging from 0.48 µg/L (MW-5) to 0.61 µg/L (MW-1).

4.13.2.2 Boron

Boron was detected in all samples and ranged in concentration from 206 µg/L (MW-1 duplicate) to 402 µg/L (MW-5), all below the Class GA Value of 1,000 µg/L.

4.13.2.3 Alkalinity

The measured concentrations of alkalinity in all samples ranged from 590 mg/L (MW-5) to 630 mg/L (MW-1 and duplicate). No NYSDEC Class GA Value exists for this analyte.

4.13.3 Off-Site Monitoring Wells

Measured depth to groundwater during the September 2025 overburden well groundwater gauging event ranged from 6.88 feet below TOC (MW-108S) to 106.31 feet below TOC (MW-102), as shown in **Table 1**. When adjusted to NAVD 88, groundwater surface elevations ranged from 307.55 feet (MW-107) to 324.15 feet (MW-103). No sample was collected from MW-104S, as the well was dry during the gauging event.

Measured depth to groundwater during the September 2025 bedrock well groundwater gauging event ranged from 46.95 feet below TOC (BMW-102) to 106.32 feet below TOC (BMW-101), as shown in **Table 1**. When adjusted to feet NAVD 88, groundwater surface elevations ranged from 312.70 feet (BMW-102) to 318.49 feet (BMW-101).

The inferred predominant off-Site groundwater flow direction, based on water level measurements recorded on September 22, 2025, is generally to the southeast. The groundwater sampling locations, including a summary of analytical results and inferred September 2025 groundwater surface elevation contours, are shown on **Figure 17**.

4.13.3.1 1,4-Dioxane

Of the 20 groundwater samples submitted for analysis, nine samples contained 1,4-dioxane at concentrations exceeding the Class GA Value of 0.35 µg/L. Five samples, including the duplicate sample collected at MW-110, contained 1,4-dioxane concentrations equal to or above the NYSDOH MCL of 1 µg/L. Of the nine samples containing 1,4-dioxane, concentrations ranged from 0.57 µg/L (MW-107) to 2.2 µg/L (MW-110).

4.13.3.2 Boron

Boron was detected in all samples and ranged in concentration from 6 µg/L (MW-111S) to 538 µg/L (MW-108), all below the Class GA Value of 1,000 µg/L.

4.13.3.3 Alkalinity

The measured concentrations of alkalinity in all samples ranged from 84 mg/L (BMW-101) to 610 mg/L (MW-110S). No NYSDEC Class GA Value exists for this analyte.

4.14 Data Usability

The results of the data validation of the analytical results are summarized in the DUSRs. The DUSRs are provided in **Appendix K** and include a discussion of each qualified result, the potential bias and the effects on data usability. Generally, the surface water, leachate, sediment, surface and subsurface soil, and groundwater analytical results were found to be valid and usable for decision making purposes. Exceptions are reflected on summary analytical data tables and are documented in the DUSRs. Analytical results from equipment blanks can be found in **Table 15**.

5.0 References

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TABLES

Table 1
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Well Construction and Groundwater Gauging Data

Facility Name	Monitoring Well ID	Northing[1]	Easting[1]	Installation Date	Hydrogeologic Unit	Ground Elevation (feet)[2]	Screen Depth		Screen Elevation		Measure Point Elevation (TOR or TOC)[2]	TRC Gauge Date	Depth to Water (feet below TOR or TOC)	Groundwater Elevation (feet)[2]
							Top (feet bgs)	Bottom (feet bgs)	Top (feet)	Bottom (feet)				
Harris Mud Pond Mine	HMPSW	1660017.4978	726912.1443	Aug-94	Overburden	409.67	NA	NA	NA	NA	412.01	12/2/2021	95.15	314.52
Queensbury Landfill	MW-1	1661736.2996	725028.7175	10/11/1990 - 10/17/1990	Overburden	482.50	155	175	327.50	307.50	483.98	12/2/2021	162.58	321.40
												4/13/2022	162.06	321.92
												9/22/2025	161.02	322.96
	MW-2	1661464.2642	725640.4547	10/30/1990 - 11/1/1990	Overburden	436.24	111	131	325.24	305.24	439.31	12/2/2021	117.90	321.41
												4/13/2022	117.36	321.95
												9/22/2025	116.80	322.51
	MW-3	1661242.3794	726229.4825	11/5/1990 - 11/8/1990	Overburden	472.91	160	182	312.91	290.91	474.79	12/2/2021	156.75	318.04
												4/13/2022	156.12	318.67
												9/22/2025	154.80	319.99
	MW-4	1661396.2293	726832.0988	11/2/1990	Overburden	325.33	3	22	322.33	303.33	327.09	12/2/2021	7.05	320.04
												4/13/2022	6.65	320.44
												9/22/2025	6.10	320.99
	MW-5	1662608.8174	726389.8684	10/23/1990 - 10/29/1990	Overburden	414.65	90	110	324.65	304.65	416.53	12/2/2021	94.65	321.88
												4/13/2022	94.37	322.16
												9/22/2025	93.54	322.99
	E-1	1661963.8631	725217.3030	NA	NA	478.74	NA	NA	NA	NA	480.49	12/2/2021	160.25	320.24
												4/13/2022	159.65	320.84
McLaughlin Landfill	MW-1	1660666.2342	724873.1017	3/29/2021 - 4/1/2021	Overburden	413.06	89	99	324.06	314.06	415.96	12/2/2021	94.55	321.41
												4/13/2022	94.35	321.61
												9/22/2025	93.31	322.65
	MW-2	1660927.3420	724666.4924	4/1/2021 - 4/7/2021	Overburden	442.09	85	95	357.09	347.09	444.99	12/2/2021	96.85	348.14
												4/13/2022	96.94	348.05
												9/22/2025	96.55	348.44
	MW-3	1661120.5696	724718.2080	4/7/2021 - 4/19/2021	Overburden	460.95	118	138	342.95	322.95	463.12	12/2/2021	140.20	322.92
												4/13/2022	140.54	322.58
												9/22/2025	138.85	324.27
	MW-4	1660975.5651	725157.9917	4/20/2021 - 4/27/2021	Overburden	457.52	128	138	329.52	319.52	460.16	12/2/2021	138.80	321.36
												4/13/2022	NM - Damaged	
												9/22/2025		
	MW-5	1660573.9710	725202.7756	4/27/2021 - 4/29/2021	Overburden	406.14	95	105	311.14	301.14	408.93	12/2/2021	88.70	320.23
												4/13/2022	88.40	320.53
												9/22/2025	87.44	321.49
Finch Paper Landfill	MW-1	1663928.0374	727673.4960	6/18/1990 - 6/26/1990	Overburden	468.12	149	169	319.12	299.12	469.50	12/2/2021	144.60	324.90
	MW-2	1661838.3478	728355.9522	10/10/1990 - 10/15/1990	Overburden	386.86	50	70	336.86	316.86	389.07	12/2/2021	59.20	329.87
	MW-3AR	1661549.6268	727312.7032	NA	NA	406.22	NA	NA	NA	NA	408.65	12/2/2021	88.00	320.65
												4/22/2022	77.81	330.84
	MW-4D	1661250.7263	728016.2214	8/20/1990 - 8/20/1990	Overburden	374.05	60	80	314.05	294.05	375.67	12/2/2021	55.30	320.37
												4/21/2022	54.38	321.29
	MW-4E	1661247.8095	728037.5213	8/20/1990 - 9/17/1990	Overburden	372.53	131	151	241.53	221.53	374.74	12/2/2021	54.40	320.34
												4/21/2022	53.55	321.19
	MW-B	1661210.0805	727457.5390	NA	NA	331.37	NA	NA	NA	NA	333.65	12/2/2021	14.15	319.50
												4/22/2022	11.38	322.27
	MW-C	1663094.8843	727567.2720	NA	NA	504.38	NA	NA	NA	NA	506.32	12/2/2021	NM - Inaccessible	

Table 1
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Well Construction and Groundwater Gauging Data

Facility Name	Monitoring Well ID	Northing[1]	Easting[1]	Installation Date	Hydrogeologic Unit	Ground Elevation (feet)[2]	Screen Depth		Screen Elevation		Measure Point Elevation (TOR or TOC)[2]	TRC Gauge Date	Depth to Water (feet below TOR or TOC)	Groundwater Elevation (feet)[2]
							Top (feet bgs)	Bottom (feet bgs)	Top (feet)	Bottom (feet)				
Ciba-Geigy Landfill	MW-1	1661056.7139	725375.2227	1975	Bedrock	454.63	180*	240*	274.63*	214.63*	457.68	12/2/2021	136.74	320.94
												6/20/2022	135.33	322.35
	MW-1A	1661045.2895	725376.1947	1/12/1983	Overburden	453.59	170	178	283.59	275.59	454.53	12/2/2021	133.00	321.53
	MW-2	1661312.3273	725081.8905	1975	Bedrock	472.58	192*	240*	280.58*	232.58*	473.96	12/2/2021	152.45	321.51
												6/20/2022	150.91	323.05
	MW-2A	1661336.6902	725071.6926	12/17/1983	Overburden	472.27	185	190	287.27	282.27	474.17	12/2/2021	152.56	321.61
	MW-2B	1661325.2610	725082.7445	NA	NA	472.16	NA	NA	NA	NA	473.66	12/2/2021	152.08	321.58
												6/20/2022	150.62	323.04
	MW-2C	1661306.0769	725092.8602	NA	NA	471.24	NA	NA	NA	NA	473.57	12/2/2021	151.94	321.63
	MW-3	1661417.7977	725527.5703	12/17/1982	Overburden	440.48	132	142	308.48	298.48	441.40	12/2/2021	119.79	321.61
												6/20/2022	118.52	322.88
	MW-4	1661128.6256	725586.2862	1983	Bedrock	436.26	151*	153*	285.26*	283.26*	440.28	12/2/2021	119.11	321.17
												6/20/2022	117.80	322.48
	MW-4A	1661096.3434	725570.8196	1983	Overburden	438.29	117 - 122, 129 - 134, 141 - 146, 153 - 158		321.29 - 316.29, 309.29 - 304.29, 297.29 - 292.29, 285.29 - 280.29		440.93	12/2/2021	119.72	321.21
	MW-4B	1661138.8529	725611.8056	NA	NA	435.90	NA	NA	NA	NA	436.61	12/2/2021	115.43	321.18
	MW-4C	1661114.8914	725561.7155	NA	NA	437.46	NA	NA	NA	NA	438.30	12/2/2021	117.11	321.19
	MW-4D	1661151.3467	725609.7052	NA	NA	435.93	NA	NA	NA	NA	438.00	12/2/2021	117.22	320.78
	MW-5	1661277.9219	725646.7632	5/17/1982	Overburden	435.02	145	150	290.02	285.02	436.42	12/2/2021	115.21	321.21
												6/20/2022	114.01	322.41
	MW-6	1661407.6580	725621.7797	11/29/1984	Overburden	435.30	110	120	325.30	315.30	436.49	12/2/2021	114.64	321.85
												6/20/2022	113.43	323.06
	MW-7	1661220.1271	725656.6807	12/19/1984	Bedrock	435.50	165*	194*	270.50*	241.50*	436.24	12/2/2021	115.42	320.82
												6/20/2022	114.18	322.06
	MW-7A	1661211.9615	725658.6285	12/10/1984	Overburden	435.57	110	120	325.57	315.57	437.10	12/2/2021	NM - Dry	
	MW-8	1661405.7821	725289.4296	12/26/1984	Overburden	460.58	161	166	299.58	294.58	462.57	12/2/2021	140.88	321.69
	MW-8A	1661398.8283	725280.8833	NA	NA	461.56	NA	NA	NA	NA	463.48	12/2/2021	142.16	321.32
	MW-9	1660992.8428	725321.0668	12/26/1984	Overburden	452.85	165	170	287.85	282.85	453.81	12/2/2021	132.33	321.48
												6/20/2022	130.91	322.90
	MW-15	1661047.1419	725435.4317	5/2/1986	Overburden	451.70	129	139	322.70	312.70	453.24	12/2/2021	NM - Dry	
	MW-15A	1661051.7236	725421.5447	NA	NA	451.69	NA	NA	NA	NA	454.04	12/2/2021	132.71	321.33
	MW-16	1661045.7539	725295.7735	4/23/1986	Overburden	458.65	134	144	324.65	314.65	461.81	12/2/2021	NM - Dry	
	MW-17	1661116.4475	725195.2217	4/9/1986	Overburden	168.31	142	152	26.31	16.31	470.39	12/2/2021	148.85	321.54

Table 1
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Well Construction and Groundwater Gauging Data

Facility Name	Monitoring Well ID	Northing[1]	Easting[1]	Installation Date	Hydrogeologic Unit	Ground Elevation (feet)[2]	Screen Depth		Screen Elevation		Measure Point Elevation (TOR or TOC)[2]	TRC Gauge Date	Depth to Water (feet below TOR or TOC)	Groundwater Elevation (feet)[2]
							Top (feet bgs)	Bottom (feet bgs)	Top (feet)	Bottom (feet)				
Ciba-Geigy Landfill (cont.)	MW-17A	1661123.5230	725188.9749	NA	NA	169.17	NA	NA	NA	NA	470.67	12/2/2021	149.59	321.08
Off-Site Monitoring Wells	MW-101	1660861.95084	726472.21786	11/14/2023	Overburden	390.66	68	83	322.66	307.66	393.28	12/5/2023	72.97	320.31
												9/22/2025	70.03	323.25
	MW-102	1660270.56689	726317.74972	11/6/2023	Overburden	421.80	115	130	306.80	291.80	424.57	12/5/2023	100.05	324.52
												9/22/2025	106.31	318.26
	MW-103	1660196.88296	727508.28687	11/6/2023	Overburden	361.32	35	50	326.32	311.32	364.00	12/5/2023	46.71	317.29
												9/22/2025	46.79	317.21
	MW-104	1659834.14449	725718.97634	10/18/2023	Overburden	363.10	60	75	303.10	288.10	362.75	12/5/2023	44.44	318.31
												9/22/2025	44.65	318.10
	MW-104S	NS	NS	6/19/2024	Overburden	NS	19.5	29.5	NS	NS	NS	6/26/2024	NS - Dry	
												9/22/2025		
	MW-105	1659597.51700	726296.68836	11/2/2023	Overburden	356.87	75	90	281.87	266.87	356.43	12/5/2023	39.39	317.04
												9/22/2025	39.55	316.88
	MW-105S	NS	NS	6/21/2024	Overburden	NS	34.5	44.5	NS	NS	NS	7/10/2024	37.67	NS
												9/22/2025	40.18	NS
	MW-106	1659694.86337	726673.78406	11/1/2023	Overburden	364.61	80	95	284.61	269.61	367.51	12/5/2023	52.34	315.17
												9/22/2025	50.66	316.85
	MW-106S	NS	NS	6/25/2024	Overburden	NS	42.5	52.5	NS	NS	NS	7/10/2024	48.23	NS
												9/22/2025	50.35	NS
	MW-107	1659420.05708	727574.03618	10/30/2023	Overburden	340.03	65	80	275.03	260.03	339.5	12/5/2023	31.57	307.93
												9/22/2025	31.95	307.55
	MW-108	1659077.10028	726495.99386	10/19/2023	Overburden	337.24	75	90	262.24	247.24	336.63	12/5/2023	22.55	314.08
												9/22/2025	22.81	313.82
	MW-108S	NS	NS	6/24/2204	Overburden	NS	17.5	27.5	NS	NS	NS	7/11/2024	5.16	NS
												9/22/2025	6.88	NS
	MW-109	1658805.39656	727071.48181	10/25/2023	Overburden	331.51	70	85	261.51	246.51	331.13	12/5/2023	21.32	309.81
												9/22/2025	21.61	309.52
	MW-109S	NS	NS	6/21/2024	Overburden	NS	17	27	NS	NS	NS	7/9/2024	5.12	NS
												9/22/2025	6.89	NS
	MW-110	1659053.63553	725767.02664	10/17/2023	Overburden	345.47	84	99	261.47	246.47	348.33	12/5/2023	37.61	310.72
												9/22/2025	32.07	316.26

Table 1
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Well Construction and Groundwater Gauging Data

Facility Name	Monitoring Well ID	Northing[1]	Easting[1]	Installation Date	Hydrogeologic Unit	Ground Elevation (feet)[2]	Screen Depth		Screen Elevation		Measure Point Elevation (TOR or TOC)[2]	TRC Gauge Date	Depth to Water (feet below TOR or TOC)	Groundwater Elevation (feet)[2]
							Top (feet bgs)	Bottom (feet bgs)	Top (feet)	Bottom (feet)				
Off-Site Monitoring Wells (cont.)	MW-110S	NS	NS	6/18/2024	Overburden	NS	24	34	NS	NS	NS	7/10/2024	11.50	NS
												9/22/2025	15.81	NS
	MW-111S	NS	NS	6/18/2024	Overburden	NS	14	24	NS	NS	NS	7/10/2024	20.35	NS
												9/22/2025	22.32	NS
	MW-112S	NS	NS	6/17/2024	Overburden	NS	10	20	NS	NS	NS	7/10/2024	13.58	NS
												9/22/2025	18.01	NS
	BMW-101	1660261.92355	726314.35240	11/5/2023	Bedrock	422.03	207	230	215.03	192.03	424.81	12/5/2023	106.52	318.29
												9/22/2025	106.32	318.49
	BMW-102	1658938.67104	724894.75002	11/6/2023	Bedrock	456.64	87	137	369.64	319.64	359.65	12/5/2023	47.37	312.28
												9/22/2025	46.95	312.70

Notes

Reference measurements collected by Susan M. Anacker, PLS via a Global Positioning System (GPS) survey on December 15, 2021 and November 16, 2023.
(1) Survey information referenced horizontally to North American Datum of 1983 (NAD83) on the NYS Plane Coordinate System (East Zone).
(2) Elevation information referenced vertically to the North American Vertical Datum of 1988 (NAVD 88).
Feet bgs - Feet below ground surface
NA - Boring log information not available
NS - Not surveyed
NM - Not measured
TOR - Top of riser
TOC - Top of casing
* - Open hole bedrock monitoring well

Table 2
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Surface Soil Analytical Results

		Location ID	SS-101	SS-102	SS-103	SS-103	SS-104	SS-105
		Sample ID	QNSB-SS-101_20211130	QNSB-SS-102_20211130	QNSB-SS-103_20211130	DUP-SS_20211130	QNSB-SS-104_20211130	QNSB-SS-105_20211130
		Lab Sample ID	21L0072-01/ 21L0073-01	21L0072-02/ 21L0073-02	21L0072-03/ 21L0073-03	21L0072-06/ 21L0073-06	21L0072-04/ 21L0073-04	21L0072-05/ 21L0073-05
		Sample Date	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
Analyte	**UUSCO**	**Unit**	**Results**					
1,4-Dioxane								
1,4-Dioxane	0.1	mg/kg	0.067 UJ	0.11 UJ	0.07 UJ	0.068 UJ	0.13 UJ	0.1 UJ
PFAS								
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 UJ	0.53 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.23 J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.21 J	0.53 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	ug/kg	0.44 U	0.51 U	0.43 UJ	0.42 UJ	0.59 U	0.53 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorobutane sulfonic acid (PFBS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorobutanoic acid (PFBA)	NC	ug/kg	0.083 J	0.36 J	0.069 J	0.07 J	0.13 J	0.24 J
Perfluorobutylsulfonamide	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorodecane sulfonic acid (PFDS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorodecanoic acid (PFDA)	NC	ug/kg	0.44 U	0.11 J	0.43 U	0.42 U	0.094 J	0.53 U
Perfluorododecanoic acid (PFDoA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.098 J	0.53 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluoroheptanoic acid (PFHpA)	NC	ug/kg	0.44 U	0.11 J	0.43 U	0.42 U	0.59 U	0.098 J
Perfluorohexane sulfonic acid (PFHxS)	NC	ug/kg	0.44 U	0.27 J	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorohexanesulfonamide	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorohexanoic acid (PFHxA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorononane sulfonic acid (PFNS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorononanoic acid (PFNA)	NC	ug/kg	0.078 J	0.23 J	0.43 U	0.42 U	0.59 U	0.12 J
Perfluorooctane sulfonamide (PFOSA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorooctane sulfonic acid (PFOS)	0.88	ug/kg	0.26 J	0.69	0.24 J	0.22 J	**5.3**	0.32 J
Perfluorooctanoic acid (PFOA)	0.66	ug/kg	0.44 U	0.65	0.43 U	0.42 U	0.29 J	0.48 J
Perfluoropentane sulfonic acid (PFPeS)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluoropentanoic acid (PFPeA)	NC	ug/kg	0.44 U	0.088 J	0.43 U	0.42 U	0.59 U	0.1 J
Perfluorotetradecanoic acid (PFTA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluorotridecanoic acid (PFTrDA)	NC	ug/kg	0.44 U	0.51 U	0.43 U	0.42 U	0.59 U	0.53 U
Perfluoroundecanoic acid (PFUnA)	NC	ug/kg	0.44 U	0.14 J	0.43 U	0.42 U	0.15 J	0.53 U
Total PFAS	NC	ug/kg	0.421	2.648	0.309	0.29	6.27	1.588
VOCs								
1,1,1-Trichloroethane	0.68	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
1,1,2,2-Tetrachloroethane	NC	mg/kg	0.00067 U	0.0011 U	0.0007 U	0.00068 U	0.0013 U	0.001 U
1,1,2-Trichloroethane	NC	mg/kg	0.0013 UJ	0.0023 UJ	0.0014 UJ	0.0014 UJ	0.0027 UJ	0.002 UJ
1,1-Dichloroethane	0.27	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U

Table 2
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Surface Soil Analytical Results

		Location ID	SS-101	SS-102	SS-103	SS-103	SS-104	SS-105
		Sample ID	QNSB-SS-101_20211130	QNSB-SS-102_20211130	QNSB-SS-103_20211130	DUP-SS_20211130	QNSB-SS-104_20211130	QNSB-SS-105_20211130
		Lab Sample ID	21L0072-01/ 21L0073-01	21L0072-02/ 21L0073-02	21L0072-03/ 21L0073-03	21L0072-06/ 21L0073-06	21L0072-04/ 21L0073-04	21L0072-05/ 21L0073-05
		Sample Date	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
Analyte	**UUSCO**	**Unit**	**Results**					
VOCs (cont.)								
1,1-Dichloroethene	0.24	mg/kg	0.0027 U	0.0046 U	0.0028 U	0.0027 U	0.0054 U	0.0041 U
1,2,3-Trichlorobenzene	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
1,2,4-Trichlorobenzene	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
1,2-Dibromo-3-chloropropane	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
1,2-Dibromoethane	NC	mg/kg	0.00067 UJ	0.0011 UJ	0.0007 UJ	0.00068 UJ	0.0013 UJ	0.001 UJ
1,2-Dichlorobenzene	1.1	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
1,2-Dichloroethane	0.02	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
1,2-Dichloropropane	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
1,3-Dichlorobenzene	2.6	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
1,4-Dichlorobenzene	1.8	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
2-Butanone	0.10	mg/kg	0.027 U	0.046 U	0.028 U	0.027 U	0.054 U	0.041 U
2-Hexanone	NC	mg/kg	0.013 U	0.023 U	0.014 U	0.014 U	0.027 U	0.02 U
4-Methyl-2-pentanone	NC	mg/kg	0.013 U	0.023 U	0.014 U	0.014 U	0.027 U	0.02 U
Acetone	0.03	mg/kg	0.067 U	**0.057 J**	0.07 U	0.068 U	**0.067 J**	**0.04 J**
Benzene	0.06	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Bromochloromethane	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Bromodichloromethane	NC	mg/kg	0.0013 UJ	0.0023 UJ	0.0014 UJ	0.0014 UJ	0.0027 UJ	0.002 UJ
Bromoform	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Bromomethane	NC	mg/kg	0.0067 U	0.011 U	0.007 U	0.0068 U	0.013 U	0.01 U
Carbon disulfide	NC	mg/kg	0.0067 U	0.011 U	0.007 UJ	0.0068 UJ	0.013 U	0.01 U
Carbon tetrachloride	0.76	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Chlorobenzene	4.5	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Chloroethane	NC	mg/kg	0.013 U	0.023 U	0.014 U	0.014 U	0.027 U	0.02 U
Chloroform	0.37	mg/kg	0.0027 U	0.0046 U	0.0028 U	0.0027 U	0.0054 U	0.0041 U
Chloromethane	NC	mg/kg	0.0067 U	0.011 U	0.007 UJ	0.0068 UJ	0.013 U	0.01 U
cis-1,2-Dichloroethene	0.19	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
cis-1,3-Dichloropropene	NC	mg/kg	0.00067 U	0.0011 U	0.0007 U	0.00068 U	0.0013 U	0.001 U
Cyclohexane	NC	mg/kg	0.0067 U	0.011 U	0.007 U	0.0068 U	0.013 U	0.01 U
Dibromochloromethane	NC	mg/kg	0.00067 UJ	0.0011 UJ	0.0007 UJ	0.00068 UJ	0.0013 UJ	0.001 UJ
Dichlorodifluoromethane (Freon 12)	NC	mg/kg	0.013 U	0.023 U	0.014 U	0.014 U	0.027 U	0.02 U
Ethylbenzene	1	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Isopropylbenzene (Cumene)	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
m,p-Xylene	0.26	mg/kg	0.0027 U	0.0046 U	0.0028 U	0.0027 U	0.0054 U	0.0041 U
Methyl acetate	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Methyl tert-butyl ether (MTBE)	0.1	mg/kg	0.0027 U	0.0046 U	0.0028 U	0.0027 U	0.0054 U	0.0041 U
Methylcyclohexane	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Methylene chloride	0.05	mg/kg	0.013 U	0.023 U	0.014 U	0.014 U	0.027 U	0.02 U
o-Xylene	0.26	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Styrene	NC	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Tetrachloroethene	1.3	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Toluene	0.7	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
trans-1,2-Dichloroethene	0.19	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U

Table 2
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Surface Soil Analytical Results

		Location ID	SS-101	SS-102	SS-103	SS-103	SS-104	SS-105
		Sample ID	QNSB-SS-101_20211130	QNSB-SS-102_20211130	QNSB-SS-103_20211130	DUP-SS_20211130	QNSB-SS-104_20211130	QNSB-SS-105_20211130
		Lab Sample ID	21L0072-01/ 21L0073-01	21L0072-02/ 21L0073-02	21L0072-03/ 21L0073-03	21L0072-06/ 21L0073-06	21L0072-04/ 21L0073-04	21L0072-05/ 21L0073-05
		Sample Date	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
Analyte	**UUSCO**	**Unit**	**Results**					
VOCs (cont.)								
trans-1,3-Dichloropropene	NC	mg/kg	0.00067 U	0.0011 U	0.0007 U	0.00068 U	0.0013 U	0.001 U
Trichloroethene	0.47	mg/kg	0.0013 U	0.0023 U	0.0014 U	0.0014 U	0.0027 U	0.002 U
Trichlorofluoromethane (Freon 11)	NC	mg/kg	0.0067 U	0.011 U	0.007 U	0.0068 U	0.013 U	0.01 U
Trichlorotrifluoroethane (Freon 113)	NC	mg/kg	0.0067 U	0.011 U	0.007 U	0.0068 U	0.013 U	0.01 U
Vinyl chloride	0.03	mg/kg	0.0067 U	0.011 U	0.007 UJ	0.0068 UJ	0.013 U	0.01 U
SVOCs								
1,2,4,5-Tetrachlorobenzene	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
1,2,4-Trichlorobenzene	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
1,2-Dichlorobenzene	1.1	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
1,3-Dichlorobenzene	2.6	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
1,4-Dichlorobenzene	1.8	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
2,4,5-Trichlorophenol	NC	mg/kg	0.43 U	0.42 UJ	0.38 U	0.38 U	0.51 U	0.45 U
2,4,6-Trichlorophenol	NC	mg/kg	0.43 U	0.42 UJ	0.38 U	0.38 U	0.51 U	0.45 U
2,4-Dichlorophenol	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
2,4-Dimethylphenol	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
2,4-Dinitrophenol	NC	mg/kg	0.84 U	0.82 UJ	0.74 U	0.73 U	0.99 U	0.88 U
2,4-Dinitrotoluene	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
2,6-Dinitrotoluene	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
2-Chloronaphthalene	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
2-Chlorophenol	NC	mg/kg	0.43 U	0.42 UJ	0.38 U	0.38 U	0.51 U	0.45 U
2-Methylnaphthalene	NC	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
2-Methylphenol	0.33	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
2-Nitroaniline	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
2-Nitrophenol	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
3- & 4-Methylphenol (m,p-Cresol)	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
3,3'-Dichlorobenzidine	NC	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
3-Nitroaniline	NC	mg/kg	0.43 UJ	0.42 UJ	0.38 UJ	0.38 U	0.51 UJ	0.45 U
4,6-Dinitro-2-methylphenol	NC	mg/kg	0.43 U	0.42 UJ	0.38 U	0.38 U	0.51 U	0.45 U
4-Bromophenyl phenyl ether	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
4-Chloro-3-methylphenol	NC	mg/kg	0.84 U	0.82 U	0.74 U	0.73 U	0.99 U	0.88 U
4-Chloroaniline	NC	mg/kg	0.84 U	0.82 U	0.74 U	0.73 U	0.99 U	0.88 U
4-Chlorophenyl phenyl ether	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
4-Nitroaniline	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
4-Nitrophenol	NC	mg/kg	0.84 U	0.82 UJ	0.74 U	0.73 U	0.99 U	0.88 U
Acenaphthene	20	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Acenaphthylene	100	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Anthracene	100	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Benzo(a)anthracene	1	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Benzo(a)pyrene	1	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Benzo(b)fluoranthene	1	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Benzo(g,h,i)perylene	0.64	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U

Table 2
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Surface Soil Analytical Results

		Location ID	SS-101	SS-102	SS-103	SS-103	SS-104	SS-105
		Sample ID	QNSB-SS-101_20211130	QNSB-SS-102_20211130	QNSB-SS-103_20211130	DUP-SS_20211130	QNSB-SS-104_20211130	QNSB-SS-105_20211130
		Lab Sample ID	21L0072-01/ 21L0073-01	21L0072-02/ 21L0073-02	21L0072-03/ 21L0073-03	21L0072-06/ 21L0073-06	21L0072-04/ 21L0073-04	21L0072-05/ 21L0073-05
		Sample Date	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
Analyte	**UUSCO**	**Unit**	**Results**					
SVOCs (cont.)								
Benzo(k)fluoranthene	0.8	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Bis(2-chloroethoxy)methane	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Bis(2-chloroethyl) ether	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Bis(2-ethylhexyl)phthalate	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Butylbenzylphthalate	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Carbazole	NC	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Chrysene	1	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Dibenz(a,h)anthracene	0.33	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Dibenzofuran	2.1	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Diethyl phthalate	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Dimethylphthalate	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Di-n-octylphthalate	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Fluoranthene	85	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Fluorene	30	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Hexachlorobenzene	0.33	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Hexachlorobutadiene	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Hexachlorocyclopentadiene	NC	mg/kg	0.43 U	0.42 U	0.38 UJ	0.38 UJ	0.51 U	0.45 U
Hexachloroethane	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Isophorone	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Naphthalene	12	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Nitrobenzene	0.08	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
n-Nitrosodimethylamine	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
n-Nitroso-di-n-propylamine	NC	mg/kg	0.43 U	0.42 U	0.38 U	0.38 U	0.51 U	0.45 U
Pentachlorophenol	0.8	mg/kg	0.43 U	0.42 UJ	0.38 U	0.38 U	0.51 U	0.45 U
Phenanthrene	1.1	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Phenol	0.33	mg/kg	0.43 U	0.42 UJ	0.38 U	0.38 U	0.51 U	0.45 U
Pyrene	64	mg/kg	0.22 U	0.21 U	0.19 U	0.19 U	0.25 U	0.23 U
Pyridine	NC	mg/kg	0.43 U	0.42 U	0.38 UJ	0.38 UJ	0.51 U	0.45 U
PCBs								
Aroclor-1016	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Aroclor-1221	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Aroclor-1232	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Aroclor-1242	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Aroclor-1248	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Aroclor-1254	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Aroclor-1260	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Aroclor-1262	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Aroclor-1268	NC	mg/kg	0.099 U	NA	0.089 U	0.089 U	NA	0.1 U
Total PCBs	0.1	mg/kg	--	--	--	--	--	--

Table 2
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Surface Soil Analytical Results

		Location ID	SS-101	SS-102	SS-103	SS-103	SS-104	SS-105
		Sample ID	QNSB-SS-101_20211130	QNSB-SS-102_20211130	QNSB-SS-103_20211130	DUP-SS_20211130	QNSB-SS-104_20211130	QNSB-SS-105_20211130
		Lab Sample ID	21L0072-01/ 21L0073-01	21L0072-02/ 21L0073-02	21L0072-03/ 21L0073-03	21L0072-06/ 21L0073-06	21L0072-04/ 21L0073-04	21L0072-05/ 21L0073-05
		Sample Date	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
Analyte	**UUSCO**	**Unit**	**Results**					
Metals								
Aluminum	NC	mg/kg	5,300 J	NA	3,900 J	3,100 J	NA	7,900 J
Antimony	NC	mg/kg	2.1 U	NA	1.8 U	1.8 U	NA	2.2 U
Arsenic	13	mg/kg	4.1 UJ	NA	3.4 J	4.6 J	NA	4.5 UJ
Barium	410	mg/kg	31 J	NA	28 J	20 J	NA	28 J
Beryllium	4.4	mg/kg	0.21	NA	0.25	0.23	NA	0.2 J
Cadmium	2.5	mg/kg	0.36 J	NA	0.36 UJ	0.35 UJ	NA	0.45 UJ
Calcium	NC	mg/kg	1,500 J	NA	55,000 J	74,000 J	NA	1,100 J
Chromium[3]	30	mg/kg	11 J	NA	6 J	5.8 J	NA	6.5 J
Cobalt	NC	mg/kg	3.7 J	NA	6 J	3.4 J	NA	2.1 J
Copper	50	mg/kg	4.8	NA	5.5	5.4	NA	1.7
Iron	NC	mg/kg	9,500 J	NA	10,000 J	8,400 J	NA	4,800 J
Lead	63	mg/kg	22 J	NA	3.8 J	3.8 J	NA	6 J
Magnesium	NC	mg/kg	1,200 J	NA	11,000 J	17,000 J	NA	660 J
Manganese	1,600	mg/kg	210	NA	280	220	NA	22
Mercury	0.18	mg/kg	0.11	NA	0.028 U	0.028 U	NA	0.038
Nickel	30	mg/kg	6 J	NA	6.8 J	6.2 J	NA	4.4 J
Potassium	NC	mg/kg	290	NA	710	610	NA	220 J
Selenium	3.9	mg/kg	4.1 UJ	NA	3.6 UJ	3.5 UJ	NA	4.5 UJ
Silver	2	mg/kg	0.41 UJ	NA	0.36 UJ	0.35 UJ	NA	0.45 UJ
Sodium	NC	mg/kg	210 U	NA	180 U	180 U	NA	220 U
Thallium	NC	mg/kg	2.1 UJ	NA	1.8 UJ	1.8 UJ	NA	2.2 UJ
Vanadium	NC	mg/kg	18 J	NA	11 J	10 J	NA	9.2 J
Zinc	109	mg/kg	40	NA	21 J	19 J	NA	26
Pesticides								
2,4,5-T	NC	mg/kg	0.013 U	NA	0.011 U	0.011 U	NA	0.013 U
2,4,5-TP (Silvex)	NC	mg/kg	0.013 U	NA	0.011 U	0.011 U	NA	0.013 U
2,4-D	NC	mg/kg	0.13 U	NA	0.11 U	0.11 U	NA	0.13 U
2,4-DB	NC	mg/kg	0.13 U	NA	0.11 U	0.11 U	NA	0.13 U
4,4'-DDD	0.0033	mg/kg	0.0049 U	NA	0.0044 U	0.0045 U	NA	0.0052 U
4,4'-DDE	0.0033	mg/kg	0.0049 U	NA	0.0044 U	0.0045 U	NA	0.0052 U
4,4'-DDT	0.0033	mg/kg	0.0049 U	NA	0.0044 U	0.0045 U	NA	0.0052 U
Alachlor	NC	mg/kg	0.025 U	NA	0.022 U	0.022 U	NA	0.026 U
Aldrin	0.0048	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
alpha-BHC	0.02	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
alpha-Chlordane	0.014	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
beta-BHC	0.021	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
Dalapon	NC	mg/kg	0.32 U	NA	0.28 U	0.28 U	NA	0.34 U
delta-BHC	0.04	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
Dicamba	NC	mg/kg	0.013 U	NA	0.011 U	0.011 U	NA	0.013 U
Dichloroprop	NC	mg/kg	0.13 U	NA	0.11 U	0.11 U	NA	0.13 U
Dieldrin	0.005	mg/kg	0.0049 U	NA	0.0044 U	0.0045 U	NA	0.0052 U

Table 2
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Surface Soil Analytical Results

		Location ID	SS-101	SS-102	SS-103	SS-103	SS-104	SS-105
		Sample ID	QNSB-SS-101_20211130	QNSB-SS-102_20211130	QNSB-SS-103_20211130	DUP-SS_20211130	QNSB-SS-104_20211130	QNSB-SS-105_20211130
		Lab Sample ID	21L0072-01/ 21L0073-01	21L0072-02/ 21L0073-02	21L0072-03/ 21L0073-03	21L0072-06/ 21L0073-06	21L0072-04/ 21L0073-04	21L0072-05/ 21L0073-05
		Sample Date	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
Analyte	**UUSCO**	**Unit**	**Results**					
Pesticides (cont.)								
Dinoseb	NC	mg/kg	0.063 U	NA	0.056 U	0.056 U	NA	0.067 U
Endosulfan I[1]	4.3	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
Endosulfan II[1]	4.3	mg/kg	0.0099 U	NA	0.0089 U	0.0089 U	NA	0.01 U
Endosulfan sulfate[1]	4.3	mg/kg	0.0099 U	NA	0.0089 U	0.0089 U	NA	0.01 U
Endrin	0.014	mg/kg	0.0099 U	NA	0.0089 U	0.0089 U	NA	0.01 U
Endrin aldehyde[2]	0.014	mg/kg	0.0099 U	NA	0.0089 U	0.0089 U	NA	0.01 U
Endrin ketone[2]	0.014	mg/kg	0.0099 U	NA	0.0089 U	0.0089 U	NA	0.01 U
gamma-BHC (Lindane)	0.025	mg/kg	0.0025 U	NA	0.0022 U	0.0022 U	NA	0.0026 U
gamma-Chlordane	NC	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
Heptachlor	0.013	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
Heptachlor epoxide Heptachlor epoxide B	NC	mg/kg	0.0062 U	NA	0.0055 U	0.0056 U	NA	0.0065 U
MCPA	NC	mg/kg	13 U	NA	11 U	11 U	NA	13 U
MCPP	NC	mg/kg	13 U	NA	11 U	11 U	NA	13 U
Methoxychlor	NC	mg/kg	0.062 U	NA	0.055 U	0.056 U	NA	0.065 U
Toxaphene	NC	mg/kg	0.12 U	NA	0.11 U	0.11 U	NA	0.13 U
General Chemistry								
Cyanide	2.3	mg/kg	0.52 J	NA	1.4	1.4	NA	0.64 U

Notes:

mg/kg - milligrams per kilogram.
ug/kg - micrograms per kilogram.

J - Estimated value.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
SVOCs - Semi-volatile organic compounds.
VOCs - Volatile Organic Compounds.

UUSCO - New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objective.
Values shown in **bold** exceed the listed NYSDEC UUSCO.
NA - Not analyzed.
NC - No NYSDEC UUSCO exists for this analyte.
1 - Screening value for Endosulfan applied.
2 - Screening value for Endrin applied.
3 - Screening value for Chromium, trivalent used.

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-1	MW-2		MW-3		MW-4
				Sample ID	QNSB-MW-1	QNSB-MW-2	DUPLICATE	QNSB-MW-3	QNSB-MW-3	QNSB-MW-4
				Lab Sample ID	22D1346-08	22D1346-06/ 22D1346-06RE1	22D1346-07	22D1346-04	22F1559-01	22D1346-03/ 22D1346-03RE1
				Sample Date	4/15/2022	4/14/2022	4/14/2022	4/13/2022	6/23/2022	4/13/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
1,4-Dioxane										
1,4-Dioxane	0.35	1	18,000	ug/l	0.2 UJ	0.24 U	0.21 U	**5**	**6.2**	0.2 U
PFAS										
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	NC	ng/l	1.3 J	4.3	4.9	1.4 J	NA	0.57 J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	NC	ng/l	0.4 J	0.83 J	0.86 J	1 J	NA	0.93 J
Perfluorobutanoic acid (PFBA)	NC	NC	NC	ng/l	0.92 J	5.3	4.9	4.2	NA	11
Perfluorobutylsulfonamide	NC	NC	NC	ng/l	1.9 U	0.25 J	0.18 J	0.19 J	NA	1.9 U
Perfluorodecane sulfonic acid (PFDS)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluorodecanoic acid (PFDA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluorododecanoic acid (PFDoA)	NC	NC	NC	ng/l	1.9 UJ	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	NC	ng/l	1.9 U	2.3	2.2	4.3	NA	0.75 J
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	NC	ng/l	0.38 J	3.7	3.7	1.6 J	NA	1.9 U
Perfluorohexanesulfonamide	NC	NC	NC	ng/l	1.9 U	2.2 U	0.31 J	1.9 U	NA	1.9 U
Perfluorohexanoic acid (PFHxA)	NC	NC	NC	ng/l	0.43 J	2.5	2.2	7.2	NA	1.5 J
Perfluorononane sulfonic acid (PFNS)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluorononanoic acid (PFNA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	NC	ng/l	1.9 UJ	2.2 UJ	1.8 U	1.9 U	NA	1.9 U
Perfluorooctane sulfonic acid (PFOS)	2.7	10	160,000	ng/l	1.9 U	**3.7**	**3.5**	1.9 U	NA	**2.9**
Perfluorooctanoic acid (PFOA)	6.7	10	NC	ng/l	0.65 J	**49**	**51**	**12**	NA	2.9
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	0.5 J	NA	1.9 U
Perfluoropentanoic acid (PFPeA)	NC	NC	NC	ng/l	0.5 J	3.8	3.4	5.5	NA	1.9
Perfluorotetradecanoic acid (PFTA)	NC	NC	NC	ng/l	R	2.2 UJ	1.8 U	1.9 U	NA	1.9 UJ
Perfluorotridecanoic acid (PFTrDA)	NC	NC	NC	ng/l	R	2.2 UJ	1.8 U	1.9 U	NA	1.9 UJ
Perfluoroundecanoic acid (PFUnA)	NC	NC	NC	ng/l	1.9 U	2.2 U	1.8 U	1.9 U	NA	1.9 U
Total PFAS	NC	NC	NC	ng/l	4.58	75.68	77.15	37.89	--	22.45
VOCs										
1,1,1-Trichloroethane	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NC	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
1,1,2-Trichloroethane	1	NC	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	NA	1 UJ

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-1	MW-2		MW-3		MW-4
				Sample ID	QNSB-MW-1	QNSB-MW-2	DUPLICATE	QNSB-MW-3	QNSB-MW-3	QNSB-MW-4
				Lab Sample ID	22D1346-08	22D1346-06/ 22D1346-06RE1	22D1346-07	22D1346-04	22F1559-01	22D1346-03/ 22D1346-03RE1
				Sample Date	4/15/2022	4/14/2022	4/14/2022	4/13/2022	6/23/2022	4/13/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
VOCs (cont.)										
1,1-Dichloroethane	5	NC	NC	ug/l	1 U	1 U	1 U	0.34 J	NA	1 U
1,1-Dichloroethene	5	NC	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	NA	1 UJ
1,2,3-Trichlorobenzene	5	NC	5**	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	NA	5 UJ
1,2,4-Trichlorobenzene	5	NC	5**	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	NA	1 UJ
1,2-Dibromo-3-chloropropane	0.04	NC	NC	ug/l	5 U	5 U	5 U	5 U	NA	5 U
1,2-Dibromoethane	0.0006	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	NA	0.5 UJ
1,2-Dichlorobenzene	3	NC	5**	ug/l	1 U	1 U	1 U	1 U	NA	1 U
1,2-Dichloroethane	0.6	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
1,2-Dichloropropane	1	NC	NC	ug/l	1 UJ	1 UJ	1 UJ	1 U	NA	1 U
1,3-Dichlorobenzene	3	NC	5**	ug/l	1 U	1 U	1 U	1 U	NA	1 U
1,4-Dichlorobenzene	3	NC	5**	ug/l	1 U	1 U	1 U	1 U	NA	1 U
1,4-Dioxane	0.35	NC	18,000	ug/l	50 UJ	50 UJ	50 UJ	50 UJ	NA	50 UJ
2-Butanone	50	NC	NC	ug/l	20 U	20 U	20 U	20 U	NA	20 U
2-Hexanone	50	NC	NC	ug/l	10 U	10 U	10 U	10 U	NA	10 U
4-Methyl-2-pentanone	NC	NC	NC	ug/l	10 U	10 U	10 U	10 U	NA	10 U
Acetone	50	NC	NC	ug/l	50 U	50 U	50 U	50 U	NA	50 U
Benzene	1	NC	210	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Bromochloromethane	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Bromodichloromethane	50	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	NA	0.5 UJ
Bromoform	50	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Bromomethane	5	NC	NC	ug/l	2 U	2 U	2 U	2 U	NA	2 U
Carbon disulfide	60	NC	NC	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	NA	5 UJ
Carbon tetrachloride	5	NC	NC	ug/l	5 U	5 U	5 U	5 U	NA	5 U
Chlorobenzene	5	NC	5	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Chloroethane	5	NC	NC	ug/l	2 UJ	2 UJ	2 UJ	2 UJ	NA	2 UJ
Chloroform	7	NC	NC	ug/l	2 U	2 U	2 U	2 U	NA	2 U
Chloromethane	5	NC	NC	ug/l	2 U	2 U	2 U	2 U	NA	2 U
cis-1,2-Dichloroethene	5	NC	NC	ug/l	1 U	1 U	1 U	0.79 J	NA	1 U
cis-1,3-Dichloropropene	0.4	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	NA	0.5 U
Cyclohexane	NC	NC	NC	ug/l	5 U	5 U	5 U	5 U	NA	5 U
Dibromochloromethane	50	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	NA	0.5 UJ
Dichlorodifluoromethane (Freon 12)	5	NC	NC	ug/l	2 U	2 U	2 U	2 U	NA	2 U
Ethylbenzene	5	NC	17	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Isopropylbenzene (Cumene)	5	NC	2.6	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Methyl acetate	NC	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Methyl tert-butyl ether (MTBE)	10	NC	NC	ug/l	1 U	1 U	1 U	0.6 J	NA	1 U
Methylcyclohexane	NC	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Methylene chloride	5	NC	NC	ug/l	5 U	5 U	5 U	5 U	NA	0.25 J
Styrene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Tetrachloroethene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Toluene	5	NC	100	ug/l	1 U	1 U	1 U	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-1	MW-2		MW-3		MW-4
				Sample ID	QNSB-MW-1	QNSB-MW-2	DUPLICATE	QNSB-MW-3	QNSB-MW-3	QNSB-MW-4
				Lab Sample ID	22D1346-08	22D1346-06/ 22D1346-06RE1	22D1346-07	22D1346-04	22F1559-01	22D1346-03/ 22D1346-03RE1
				Sample Date	4/15/2022	4/14/2022	4/14/2022	4/13/2022	6/23/2022	4/13/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
VOCs (cont.)										
trans-1,3-Dichloropropene	0.4	NC	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
Trichloroethene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NC	NC	ug/l	2 U	2 U	2 U	2 U	NA	2 U
Trichlorotrifluoroethane (Freon 113)	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	NA	1 U
Vinyl chloride	2	NC	NC	ug/l	2 U	2 U	2 U	2 U	NA	2 U
Xylenes, total	5	NC	65**	ug/l	1 U	1 U	1 U	1 U	NA	1 U
SVOCs										
1,1'-Biphenyl	5	NC	NC	ug/l	NA	21 U	21 U	21 U	NA	20 U
1,2,4,5-Tetrachlorobenzene	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2,2'-Oxybis(1-chloropropane)	5	NC	NC	ug/l	NA	10 U	10 U	10 UJ	NA	9.9 UJ
2,4,5-Trichlorophenol	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2,4,6-Trichlorophenol	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2,4-Dichlorophenol	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2,4-Dimethylphenol	50	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2,4-Dinitrophenol	10	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2,4-Dinitrotoluene	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2,6-Dinitrotoluene	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2-Chloronaphthalene	10	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2-Chlorophenol	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2-Methylnaphthalene	NC	NC	4.7	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
2-Methylphenol	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2-Nitroaniline	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
2-Nitrophenol	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
3,3'-Dichlorobenzidine	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
3-Nitroaniline	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
4,6-Dinitro-2-methylphenol	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
4-Bromophenyl phenyl ether	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
4-Chloro-3-methylphenol	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
4-Chloroaniline	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
4-Chlorophenyl phenyl ether	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
4-Nitroaniline	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
4-Nitrophenol	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Acenaphthene	20	NC	5.3	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Acenaphthylene	NC	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Acetophenone	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Anthracene	50	NC	3.8	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Atrazine	7.5	NC	NC	ug/l	NA	21 U	21 U	21 U	NA	20 U
Benzaldehyde	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Benzo(a)anthracene	0.002	NC	0.03	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Benzo(a)pyrene	0	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-1	MW-2		MW-3		MW-4
				Sample ID	QNSB-MW-1	QNSB-MW-2	DUPLICATE	QNSB-MW-3	QNSB-MW-3	QNSB-MW-4
				Lab Sample ID	22D1346-08	22D1346-06/ 22D1346-06RE1	22D1346-07	22D1346-04	22F1559-01	22D1346-03/ 22D1346-03RE1
				Sample Date	4/15/2022	4/14/2022	4/14/2022	4/13/2022	6/23/2022	4/13/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
SVOCs (cont.)										
Benzo(b)fluoranthene	0.002	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Benzo(g,h,i)perylene	NC	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Benzo(k)fluoranthene	0.002	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Bis(2-chloroethoxy)methane	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Bis(2-chloroethyl) ether	1	NC	NC	ug/l	NA	10 U	10 U	10 UJ	NA	9.9 U
Bis(2-ethylhexyl)phthalate	5	NC	0.6	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Butylbenzylphthalate	50	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Caprolactam	NC	NC	NC	ug/l	NA	10 UJ	10 UJ	10 UJ	NA	9.9 UJ
Carbazole	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Chrysene	0.002	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Dibenz(a,h)anthracene	NC	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Dibenzofuran	NC	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Diethyl phthalate	50	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Dimethylphthalate	50	NC	NC	ug/l	NA	10 UJ	10 UJ	10 UJ	NA	9.9 UJ
Di-n-butylphthalate	50	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Di-n-octylphthalate	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Fluoranthene	50	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Fluorene	50	NC	0.54	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Hexachlorobenzene	0.04	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Hexachlorobutadiene	0.5	NC	1.0	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Hexachlorocyclopentadiene	5	NC	0.45	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Hexachloroethane	5	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Indeno(1,2,3-cd)pyrene	0.002	NC	NC	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Isophorone	50	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Naphthalene	10	NC	13	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Nitrobenzene	0.4	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
n-Nitroso-di-n-propylamine	NC	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
N-Nitrosodiphenylamine	50	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Pentachlorophenol	1	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Phenanthrene	50	NC	5.0	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
Phenol	1	NC	NC	ug/l	NA	10 U	10 U	10 U	NA	9.9 U
Pyrene	50	NC	4.6	ug/l	NA	5.2 U	5.2 U	5.2 U	NA	5 U
PCBs										
Aroclor-1016	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U
Aroclor-1221	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U
Aroclor-1232	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U
Aroclor-1242	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U
Aroclor-1248	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U
Aroclor-1254	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U
Aroclor-1260	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U
Aroclor-1262	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-1	MW-2		MW-3		MW-4
				Sample ID	QNSB-MW-1	QNSB-MW-2	DUPLICATE	QNSB-MW-3	QNSB-MW-3	QNSB-MW-4
				Lab Sample ID	22D1346-08	22D1346-06/ 22D1346-06RE1	22D1346-07	22D1346-04	22F1559-01	22D1346-03/ 22D1346-03RE1
				Sample Date	4/15/2022	4/14/2022	4/14/2022	4/13/2022	6/23/2022	4/13/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
PCBs (cont.)										
Aroclor-1268	NC	NC	NC	ug/l	NA	0.21 U	0.24 U	0.22 U	NA	0.21 U
Total PCBs	0.09	NC	NC	ug/l	NA	--	--	--	NA	--
Metals										
Aluminum	NC	NC	100	ug/l	NA	1,800	900	83	NA	140 J
Antimony	3	NC	NC	ug/l	NA	50 UJ	50 UJ	50 UJ	NA	50 UJ
Arsenic	25	NC	150	ug/l	NA	10 U	10 U	10 U	NA	10 U
Barium	1,000	NC	NC	ug/l	NA	140 J	140 J	200 J	NA	15 J
Beryllium	3	NC	11	ug/l	NA	4 UJ	4 UJ	4 UJ	NA	4 U
Cadmium	5	NC	5*	ug/l	NA	4 U	4 U	0.84 J	NA	4 U
Calcium	NC	NC	NC	ug/l	NA	210,000	220,000	180,000	NA	59,000
Chromium	50	NC	50*	ug/l	NA	3.6 J	10 U	3.7 J	NA	10 U
Cobalt	NC	NC	5	ug/l	NA	4.8 J	4.6 J	15	NA	10 U
Copper	200	NC	200*	ug/l	NA	6.3 J	6.4 J	10 U	NA	10 U
Iron	300	NC	300	ug/l	NA	**4,100 J**	**2,700 J**	**1,900 J**	NA	**360 J**
Lead	25	NC	50*	ug/l	NA	10 UJ	10 UJ	10 UJ	NA	10 U
Magnesium	35,000	NC	NC	ug/l	NA	29,000 J	32,000 J	**61,000 J**	NA	10,000
Manganese	300	NC	NC	ug/l	NA	**840 J**	**850 J**	**1,700 J**	NA	23
Mercury	0.7	NC	0.77	ug/l	NA	0.1 U	0.1 U	0.1 U	NA	0.1 U
Nickel	100	NC	100*	ug/l	NA	12 J	11 J	27 J	NA	10 U
Potassium	NC	NC	NC	ug/l	NA	5,500	5,200	13,000	NA	1,700 J
Selenium	10	NC	4.6	ug/l	NA	50 UJ	50 UJ	50 UJ	NA	50 U
Silver	50	NC	0.1	ug/l	NA	10 U	10 U	10 U	NA	10 U
Sodium	20,000	NC	NC	ug/l	NA	2,200	2,000	**50,000**	NA	700 J
Thallium	0.5	NC	8	ug/l	NA	50 U	50 U	50 U	NA	50 UJ
Vanadium	NC	NC	14	ug/l	NA	4.9 J	4.5 J	10 UJ	NA	3.1 J
Zinc	2,000	NC	2,000*	ug/l	NA	33 J	32 J	32 J	NA	4.8 J
Pesticides										
2,4,5-T	35	NC	NC	ug/l	0.1 U	0.11 U	0.11 U	0.12 U	NA	0.1 U
2,4,5-TP (Silvex)	0.26	NC	NC	ug/l	0.051 U	0.057 U	0.055 U	0.06 U	NA	0.051 U
2,4-D	50	NC	NC	ug/l	0.51 U	0.57 U	0.55 U	0.6 U	NA	0.51 U
2,4-DB	NC	NC	NC	ug/l	0.51 U	0.57 U	0.55 U	0.6 U	NA	0.51 U
4,4'-DDD	0.3	NC	NC	ug/l	NA	0.041 U	0.048 U	0.045 U	NA	0.043 U
4,4'-DDE	0.2	NC	NC	ug/l	NA	0.041 U	0.048 U	0.045 U	NA	0.043 U
4,4'-DDT	0.2	NC	NC	ug/l	NA	0.041 U	0.048 U	0.045 U	NA	0.043 U
Aldrin	0	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
alpha-BHC	0.01	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
alpha-Chlordane	0.05	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
beta-BHC	0.04	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
Dalapon	50	NC	NC	ug/l	1.3 U	1.4 U	1.4 U	1.5 U	NA	1.3 U
delta-BHC	0.04	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
Dicamba	0.44	NC	NC	ug/l	0.051 U	0.057 U	0.055 U	0.06 U	NA	0.051 U

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-1	MW-2		MW-3		MW-4
				Sample ID	QNSB-MW-1	QNSB-MW-2	DUPLICATE	QNSB-MW-3	QNSB-MW-3	QNSB-MW-4
				Lab Sample ID	22D1346-08	22D1346-06/ 22D1346-06RE1	22D1346-07	22D1346-04	22F1559-01	22D1346-03/ 22D1346-03RE1
				Sample Date	4/15/2022	4/14/2022	4/14/2022	4/13/2022	6/23/2022	4/13/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
Pesticides (cont.)										
Dichloroprop	NC	NC	NC	ug/l	0.51 U	0.57 U	0.55 U	0.6 U	NA	0.51 U
Dieldrin	0.004	NC	0.056	ug/l	NA	0.0021 U	0.0024 U	0.0022 U	NA	0.0021 U
Dinoseb	NC	NC	NC	ug/l	0.26 U	0.28 U	0.27 U	0.3 U	NA	0.25 U
Endosulfan I	NC	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
Endosulfan II	NC	NC	NC	ug/l	NA	0.082 U	0.096 U	0.09 U	NA	0.086 U
Endosulfan sulfate	NC	NC	NC	ug/l	NA	0.082 U	0.096 U	0.09 U	NA	0.086 U
Endrin	0	NC	0.036	ug/l	NA	0.082 U	0.096 U	0.09 U	NA	0.086 U
Endrin aldehyde	5	NC	NC	ug/l	NA	0.082 U	0.096 U	0.09 U	NA	0.086 U
Endrin ketone	5	NC	NC	ug/l	NA	0.082 U	0.096 U	0.09 U	NA	0.086 U
gamma-BHC (Lindane)	0.05	NC	NC	ug/l	NA	0.031 U	0.036 U	0.034 U	NA	0.032 U
gamma-Chlordane	0.05	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
Heptachlor	0.04	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
Heptachlor epoxide Heptachlor epoxide B	0.03	NC	NC	ug/l	NA	0.051 U	0.06 U	0.056 U	NA	0.053 U
MCPA	NC	NC	NC	ug/l	51 U	57 U	55 U	60 U	NA	51 U
MCPP	NC	NC	NC	ug/l	51 U	57 U	55 U	60 U	NA	51 U
Methoxychlor	35	NC	0.03	ug/l	NA	0.51 U	0.6 U	0.56 U	NA	0.53 U
Toxaphene	0.06	NC	0.005	ug/l	NA	1 U	1.2 U	1.1 U	NA	1.1 U
General Chemistry										
Cyanide	200	NC	5.2	ug/l	NA	6.7 J	4.2 J	10 U	NA	3.6 J

Notes:

ug/l - micrograms per liter.
ng/l - nanograms per liter.

H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
NYSDEC Class A Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class A (Type A(C)) water

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

Values shown in **bold** exceed the NYSDEC guidance value.
Values with gray shading exceed the NYSDOH MCL.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

1 - NYSDEC GA Values apply to leachate and groundwater samples only.
2 - NYSDOH MCL standards apply to groundwater samples only.
3 - NYSDEC Class A Values apply to surface water samples only.

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-5	WL-01		WS-01	
				Sample ID	QNSB-MW-5	QNSB-WL-01	QNSB-WL-01	QNSB-WS-01	QNSB-WS-01
				Lab Sample ID	22D1346-05	22D1346-01	22D1653-07	22D1346-02RE1	22D1653-08
				Sample Date	4/13/2022	4/12/2022	4/22/2022	4/12/2022	4/22/2022
				Sample Matrix	Groundwater	Leachate	Leachate	Surface Water	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**				
1,4-Dioxane									
1,4-Dioxane	0.35	1	18,000	ug/l	0.24 U	NA	0.19 U	NA	0.2 U
PFAS									
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	NC	ng/l	1.9 U	1.8 UJ	NA	2 U	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	NC	ng/l	2.8	0.9 J	NA	2 U	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorobutane sulfonic acid (PFBS)	NC	NC	NC	ng/l	1.9 U	0.81 J	NA	0.57 J	NA
Perfluorobutanoic acid (PFBA)	NC	NC	NC	ng/l	1.7 J	22	NA	1.9 J	NA
Perfluorobutylsulfonamide	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorodecane sulfonic acid (PFDS)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorodecanoic acid (PFDA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorododecanoic acid (PFDoA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluoroheptanoic acid (PFHpA)	NC	NC	NC	ng/l	1.9 U	2.6	NA	0.37 J	NA
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorohexanesulfonamide	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorohexanoic acid (PFHxA)	NC	NC	NC	ng/l	0.44 J	3.1	NA	2 U	NA
Perfluorononane sulfonic acid (PFNS)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorononanoic acid (PFNA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorooctane sulfonamide (PFOSA)	NC	NC	NC	ng/l	1.9 U	1.8 UJ	NA	2 U	NA
Perfluorooctane sulfonic acid (PFOS)	2.7	10	160,000	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluorooctanoic acid (PFOA)	6.7	10	NC	ng/l	1.2 J	4.2	NA	2 U	NA
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Perfluoropentanoic acid (PFPeA)	NC	NC	NC	ng/l	0.61 J	5.2	NA	0.6 J	NA
Perfluorotetradecanoic acid (PFTA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 UJ	NA
Perfluorotridecanoic acid (PFTrDA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 UJ	NA
Perfluoroundecanoic acid (PFUnA)	NC	NC	NC	ng/l	1.9 U	1.8 U	NA	2 U	NA
Total PFAS	NC	NC	NC	ng/l	6.75	38.81	--	3.44	--
VOCs									
1,1,1-Trichloroethane	5	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NC	NC	ug/l	0.5 U	NA	0.5 U	NA	0.5 U
1,1,2-Trichloroethane	1	NC	NC	ug/l	1 UJ	NA	1 UJ	NA	1 UJ

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-5	WL-01		WS-01	
				Sample ID	QNSB-MW-5	QNSB-WL-01	QNSB-WL-01	QNSB-WS-01	QNSB-WS-01
				Lab Sample ID	22D1346-05	22D1346-01	22D1653-07	22D1346-02RE1	22D1653-08
				Sample Date	4/13/2022	4/12/2022	4/22/2022	4/12/2022	4/22/2022
				Sample Matrix	Groundwater	Leachate	Leachate	Surface Water	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**				
VOCs (cont.)									
1,1-Dichloroethane	5	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	5	NC	NC	ug/l	1 UJ	NA	1 U	NA	1 U
1,2,3-Trichlorobenzene	5	NC	5**	ug/l	5 UJ	NA	5 UJ	NA	5 UJ
1,2,4-Trichlorobenzene	5	NC	5**	ug/l	1 UJ	NA	1 UJ	NA	1 UJ
1,2-Dibromo-3-chloropropane	0.04	NC	NC	ug/l	5 U	NA	5 U	NA	5 U
1,2-Dibromoethane	0.0006	NC	NC	ug/l	0.5 UJ	NA	0.5 UJ	NA	0.5 UJ
1,2-Dichlorobenzene	3	NC	5**	ug/l	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NC	NC	ug/l	1 U	NA	1 UJ	NA	1 UJ
1,3-Dichlorobenzene	3	NC	5**	ug/l	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NC	5**	ug/l	1 U	NA	1 U	NA	1 U
1,4-Dioxane	0.35	NC	18,000	ug/l	50 UJ	NA	50 UJ	NA	50 UJ
2-Butanone	50	NC	NC	ug/l	20 U	NA	20 U	NA	20 U
2-Hexanone	50	NC	NC	ug/l	10 U	NA	10 U	NA	10 U
4-Methyl-2-pentanone	NC	NC	NC	ug/l	10 U	NA	10 U	NA	10 U
Acetone	50	NC	NC	ug/l	50 U	NA	50 U	NA	50 U
Benzene	1	NC	210	ug/l	1 U	NA	1 U	NA	1 U
Bromochloromethane	5	NC	NC	ug/l	1 U	NA	1 UJ	NA	1 UJ
Bromodichloromethane	50	NC	NC	ug/l	0.5 UJ	NA	0.5 UJ	NA	0.5 UJ
Bromoform	50	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
Bromomethane	5	NC	NC	ug/l	2 U	NA	2 UJ	NA	2 UJ
Carbon disulfide	60	NC	NC	ug/l	5 UJ	NA	5 U	NA	5 U
Carbon tetrachloride	5	NC	NC	ug/l	5 U	NA	5 U	NA	5 U
Chlorobenzene	5	NC	5	ug/l	1 U	NA	1 U	NA	1 U
Chloroethane	5	NC	NC	ug/l	2 UJ	NA	2 U	NA	2 U
Chloroform	7	NC	NC	ug/l	2 U	NA	2 U	NA	2 U
Chloromethane	5	NC	NC	ug/l	2 U	NA	2 U	NA	2 U
cis-1,2-Dichloroethene	5	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NC	NC	ug/l	0.5 U	NA	0.5 UJ	NA	0.5 UJ
Cyclohexane	NC	NC	NC	ug/l	5 U	NA	5 U	NA	5 U
Dibromochloromethane	50	NC	NC	ug/l	0.5 UJ	NA	0.5 UJ	NA	0.5 UJ
Dichlorodifluoromethane (Freon 12)	5	NC	NC	ug/l	2 U	NA	2 U	NA	2 U
Ethylbenzene	5	NC	17	ug/l	1 U	NA	1 U	NA	1 U
Isopropylbenzene (Cumene)	5	NC	2.6	ug/l	1 U	NA	1 U	NA	1 U
Methyl acetate	NC	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
Methyl tert-butyl ether (MTBE)	10	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
Methylcyclohexane	NC	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
Methylene chloride	5	NC	NC	ug/l	5 U	NA	5 U	NA	5 U
Styrene	5	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
Tetrachloroethene	5	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
Toluene	5	NC	100	ug/l	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NC	NC	ug/l	1 U	NA	1 U	NA	1 U

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-5	WL-01		WS-01	
				Sample ID	QNSB-MW-5	QNSB-WL-01	QNSB-WL-01	QNSB-WS-01	QNSB-WS-01
				Lab Sample ID	22D1346-05	22D1346-01	22D1653-07	22D1346-02RE1	22D1653-08
				Sample Date	4/13/2022	4/12/2022	4/22/2022	4/12/2022	4/22/2022
				Sample Matrix	Groundwater	Leachate	Leachate	Surface Water	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**				
VOCs (cont.)									
trans-1,3-Dichloropropene	0.4	NC	NC	ug/l	0.5 U	NA	0.5 U	NA	0.5 U
Trichloroethene	5	NC	NC	ug/l	1 U	NA	1 UJ	NA	1 UJ
Trichlorofluoromethane (Freon 11)	5	NC	NC	ug/l	2 U	NA	2 U	NA	2 U
Trichlorotrifluoroethane (Freon 113)	5	NC	NC	ug/l	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	NC	NC	ug/l	2 U	NA	2 U	NA	2 U
Xylenes, total	5	NC	65**	ug/l	1 U	NA	1 U	NA	1 U
SVOCs									
1,1'-Biphenyl	5	NC	NC	ug/l	21 U	NA	20 U	NA	NA
1,2,4,5-Tetrachlorobenzene	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2,2'-Oxybis(1-chloropropane)	5	NC	NC	ug/l	10 UJ	NA	9.9 UJ	NA	NA
2,4,5-Trichlorophenol	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2,4,6-Trichlorophenol	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2,4-Dichlorophenol	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2,4-Dimethylphenol	50	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2,4-Dinitrophenol	10	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2,4-Dinitrotoluene	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2,6-Dinitrotoluene	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2-Chloronaphthalene	10	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2-Chlorophenol	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2-Methylnaphthalene	NC	NC	4.7	ug/l	5.2 U	NA	4.9 U	NA	NA
2-Methylphenol	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2-Nitroaniline	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
2-Nitrophenol	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
3,3'-Dichlorobenzidine	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
3-Nitroaniline	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
4-Bromophenyl phenyl ether	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
4-Chloro-3-methylphenol	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
4-Chloroaniline	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
4-Nitroaniline	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
4-Nitrophenol	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Acenaphthene	20	NC	5.3	ug/l	5.2 U	NA	4.9 U	NA	NA
Acenaphthylene	NC	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Acetophenone	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Anthracene	50	NC	3.8	ug/l	5.2 U	NA	4.9 U	NA	NA
Atrazine	7.5	NC	NC	ug/l	21 U	NA	20 U	NA	NA
Benzaldehyde	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Benzo(a)anthracene	0.002	NC	0.03	ug/l	5.2 U	NA	4.9 U	NA	NA
Benzo(a)pyrene	0	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-5	WL-01		WS-01	
				Sample ID	QNSB-MW-5	QNSB-WL-01	QNSB-WL-01	QNSB-WS-01	QNSB-WS-01
				Lab Sample ID	22D1346-05	22D1346-01	22D1653-07	22D1346-02RE1	22D1653-08
				Sample Date	4/13/2022	4/12/2022	4/22/2022	4/12/2022	4/22/2022
				Sample Matrix	Groundwater	Leachate	Leachate	Surface Water	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**				
SVOCs (cont.)									
Benzo(b)fluoranthene	0.002	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Benzo(g,h,i)perylene	NC	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Benzo(k)fluoranthene	0.002	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Bis(2-chloroethoxy)methane	5	NC	NC	ug/l	10 U	NA	9.9 UJ	NA	NA
Bis(2-chloroethyl) ether	1	NC	NC	ug/l	10 UJ	NA	9.9 U	NA	NA
Bis(2-ethylhexyl)phthalate	5	NC	0.6	ug/l	10 U	NA	9.9 U	NA	NA
Butylbenzylphthalate	50	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Caprolactam	NC	NC	NC	ug/l	10 UJ	NA	9.9 UJ	NA	NA
Carbazole	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Chrysene	0.002	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Dibenz(a,h)anthracene	NC	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Dibenzofuran	NC	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Diethyl phthalate	50	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Dimethylphthalate	50	NC	NC	ug/l	10 UJ	NA	9.9 UJ	NA	NA
Di-n-butylphthalate	50	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Di-n-octylphthalate	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Fluoranthene	50	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Fluorene	50	NC	0.54	ug/l	5.2 U	NA	4.9 U	NA	NA
Hexachlorobenzene	0.04	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Hexachlorobutadiene	0.5	NC	1.0	ug/l	10 U	NA	9.9 U	NA	NA
Hexachlorocyclopentadiene	5	NC	0.45	ug/l	10 U	NA	9.9 U	NA	NA
Hexachloroethane	5	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	NC	NC	ug/l	5.2 U	NA	4.9 U	NA	NA
Isophorone	50	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Naphthalene	10	NC	13	ug/l	5.2 U	NA	4.9 U	NA	NA
Nitrobenzene	0.4	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
n-Nitroso-di-n-propylamine	NC	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
N-Nitrosodiphenylamine	50	NC	NC	ug/l	10 U	NA	NA	NA	NA
Pentachlorophenol	1	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Phenanthrene	50	NC	5.0	ug/l	5.2 U	NA	4.9 U	NA	NA
Phenol	1	NC	NC	ug/l	10 U	NA	9.9 U	NA	NA
Pyrene	50	NC	4.6	ug/l	5.2 U	NA	4.9 U	NA	NA
PCBs									
Aroclor-1016	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA
Aroclor-1221	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA
Aroclor-1232	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA
Aroclor-1242	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA
Aroclor-1248	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA
Aroclor-1254	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA
Aroclor-1260	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA
Aroclor-1262	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-5	WL-01		WS-01	
				Sample ID	QNSB-MW-5	QNSB-WL-01	QNSB-WL-01	QNSB-WS-01	QNSB-WS-01
				Lab Sample ID	22D1346-05	22D1346-01	22D1653-07	22D1346-02RE1	22D1653-08
				Sample Date	4/13/2022	4/12/2022	4/22/2022	4/12/2022	4/22/2022
				Sample Matrix	Groundwater	Leachate	Leachate	Surface Water	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**				
PCBs (cont.)									
Aroclor-1268	NC	NC	NC	ug/l	0.21 U	NA	0.2 U	NA	NA
Total PCBs	0.09	NC	NC	ug/l	--	NA	--	NA	NA
Metals									
Aluminum	NC	NC	100	ug/l	50 U	NA	50 U	NA	NA
Antimony	3	NC	NC	ug/l	50 UJ	NA	1 U	NA	NA
Arsenic	25	NC	150	ug/l	10 U	NA	0.8 U	NA	NA
Barium	1,000	NC	NC	ug/l	40 J	NA	23	NA	NA
Beryllium	3	NC	11	ug/l	4 UJ	NA	0.4 U	NA	NA
Cadmium	5	NC	5*	ug/l	4 U	NA	0.2 U	NA	NA
Calcium	NC	NC	NC	ug/l	86,000	NA	65,000	NA	NA
Chromium	50	NC	50*	ug/l	10 U	NA	1.2	NA	NA
Cobalt	NC	NC	5	ug/l	10 U	NA	1 U	NA	NA
Copper	200	NC	200*	ug/l	10 U	NA	1 JH	NA	NA
Iron	300	NC	300	ug/l	55 J	NA	34 J	NA	NA
Lead	25	NC	50*	ug/l	10 UJ	NA	0.5 U	NA	NA
Magnesium	35,000	NC	NC	ug/l	25,000 J	NA	12,000	NA	NA
Manganese	300	NC	NC	ug/l	3.2 J	NA	2.5	NA	NA
Mercury	0.7	NC	0.77	ug/l	0.1 U	NA	0.1 U	NA	NA
Nickel	100	NC	100*	ug/l	10 UJ	NA	5 U	NA	NA
Potassium	NC	NC	NC	ug/l	1,600 J	NA	1,700 J	NA	NA
Selenium	10	NC	4.6	ug/l	50 UJ	NA	5 U	NA	NA
Silver	50	NC	0.1	ug/l	10 U	NA	0.2 U	NA	NA
Sodium	20,000	NC	NC	ug/l	**52,000**	NA	1,200 J	NA	NA
Thallium	0.5	NC	8	ug/l	50 U	NA	0.2 U	NA	NA
Vanadium	NC	NC	14	ug/l	10 UJ	NA	5 U	NA	NA
Zinc	2,000	NC	2,000*	ug/l	9.5 J	NA	10 U	NA	NA
Pesticides									
2,4,5-T	35	NC	NC	ug/l	0.11 U	NA	0.099 U	NA	NA
2,4,5-TP (Silvex)	0.26	NC	NC	ug/l	0.053 U	NA	0.05 U	NA	NA
2,4-D	50	NC	NC	ug/l	0.53 U	NA	0.5 U	NA	NA
2,4-DB	NC	NC	NC	ug/l	0.53 U	NA	0.5 U	NA	NA
4,4'-DDD	0.3	NC	NC	ug/l	0.041 U	NA	0.039 U	NA	NA
4,4'-DDE	0.2	NC	NC	ug/l	0.041 U	NA	0.039 U	NA	NA
4,4'-DDT	0.2	NC	NC	ug/l	0.041 U	NA	0.039 U	NA	NA
Aldrin	0	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
alpha-BHC	0.01	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
alpha-Chlordane	0.05	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
beta-BHC	0.04	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
Dalapon	50	NC	NC	ug/l	1.3 U	NA	1.2 U	NA	NA
delta-BHC	0.04	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
Dicamba	0.44	NC	NC	ug/l	0.053 U	NA	0.05 U	NA	NA

Table 3
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Queensbury Landfill Sample Analytical Results

				Location ID	MW-5	WL-01		WS-01	
				Sample ID	QNSB-MW-5	QNSB-WL-01	QNSB-WL-01	QNSB-WS-01	QNSB-WS-01
				Lab Sample ID	22D1346-05	22D1346-01	22D1653-07	22D1346-02RE1	22D1653-08
				Sample Date	4/13/2022	4/12/2022	4/22/2022	4/12/2022	4/22/2022
				Sample Matrix	Groundwater	Leachate	Leachate	Surface Water	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**				
Pesticides (cont.)									
Dichloroprop	NC	NC	NC	ug/l	0.53 U	NA	0.5 U	NA	NA
Dieldrin	0.004	NC	0.056	ug/l	0.0021 U	NA	0.002 U	NA	NA
Dinoseb	NC	NC	NC	ug/l	0.27 U	NA	0.25 U	NA	NA
Endosulfan I	NC	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
Endosulfan II	NC	NC	NC	ug/l	0.082 U	NA	0.078 U	NA	NA
Endosulfan sulfate	NC	NC	NC	ug/l	0.082 U	NA	0.078 U	NA	NA
Endrin	0	NC	0.036	ug/l	0.082 U	NA	0.078 U	NA	NA
Endrin aldehyde	5	NC	NC	ug/l	0.082 U	NA	0.078 U	NA	NA
Endrin ketone	5	NC	NC	ug/l	0.082 U	NA	0.078 U	NA	NA
gamma-BHC (Lindane)	0.05	NC	NC	ug/l	0.031 U	NA	0.029 U	NA	NA
gamma-Chlordane	0.05	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
Heptachlor	0.04	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
Heptachlor epoxide Heptachlor epoxide B	0.03	NC	NC	ug/l	0.051 U	NA	0.049 U	NA	NA
MCPA	NC	NC	NC	ug/l	53 U	NA	50 U	NA	NA
MCPP	NC	NC	NC	ug/l	53 U	NA	50 U	NA	NA
Methoxychlor	35	NC	0.03	ug/l	0.51 U	NA	0.49 U	NA	NA
Toxaphene	0.06	NC	0.005	ug/l	1 U	NA	0.98 U	NA	NA
General Chemistry									
Cyanide	200	NC	5.2	ug/l	10 U	NA	10 UJ	NA	NA

Notes:

ug/l - micrograms per liter.
ng/l - nanograms per liter.

H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
NYSDEC Class A Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class A (Type A(C)) water

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

Values shown in **bold** exceed the NYSDEC guidance value.
Values with gray shading exceed the NYSDOH MCL.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

1 - NYSDEC GA Values apply to leachate and groundwater samples only.
2 - NYSDOH MCL standards apply to groundwater samples only.
3 - NYSDEC Class A Values apply to surface water samples only.

Table 4
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of McLaughlin Landfill Sample Analytical Results

			Location ID	MW-01	MW-02	MW-03	MW-05
			Sample ID	QNSB-MCLN-MW-01	QNSB-MCLN-MW-02	QNSB-MCLN-MW-03	QNSB-MCLN-MW-05
			Lab Sample ID	22D1346-09/ 22D1346-09RE1	22D1346-10	22D1346-11	22D1346-12
			Sample Date	4/15/2022	4/18/2022	4/18/2022	4/18/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**			
1,4-Dioxane	0.35	1	ug/l	**0.42**	**0.4**	**0.4**	**0.38**
PFAS							
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/l	3.2	3.1	3.5	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/l	1.8 J	2.3	2.6	NA
Perfluorobutanoic acid (PFBA)	NC	NC	ng/l	3.2 J	3.3	3.2	NA
Perfluorobutylsulfonamide	NC	NC	ng/l	0.3 J	0.39 J	0.29 J	NA
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluorodecanoic acid (PFDA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluoroheptanoic acid (PFHpA)	NC	NC	ng/l	7	7.6	6.4	NA
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/l	2.1	1.9	1.8 J	NA
Perfluorohexanesulfonamide	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/l	3.5	5	3.6	NA
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluorononanoic acid (PFNA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/l	2.1 U	1.9 UJ	1.8 U	NA
Perfluorooctane sulfonic acid (PFOS)	2.7	10	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluorooctanoic acid (PFOA)	6.7	10	ng/l	3.2	2.6	2.8	NA
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/l	0.49 J	0.49 J	0.45 J	NA
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/l	3.2	3	3.1	NA
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/l	2.1 U	1.9 U	1.8 U	NA
Total PFAS	NC	NC	ng/l	27.99	29.68	27.74	NA
VOCs							
1,1,1-Trichloroethane	5	NC	ug/l	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethane	5	NC	ug/l	0.2 J	0.22 J	0.22 J	0.23 J
1,1-Dichloroethene	5	NC	ug/l	1 U	1 UJ	1 UJ	1 UJ
1,2,3-Trichlorobenzene	5	NC	ug/l	5 UJ	5 UJ	5 UJ	5 UJ
1,2,4-Trichlorobenzene	5	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ

Table 4
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of McLaughlin Landfill Sample Analytical Results

			Location ID	MW-01	MW-02	MW-03	MW-05
			Sample ID	QNSB-MCLN-MW-01	QNSB-MCLN-MW-02	QNSB-MCLN-MW-03	QNSB-MCLN-MW-05
			Lab Sample ID	22D1346-09/ 22D1346-09RE1	22D1346-10	22D1346-11	22D1346-12
			Sample Date	4/15/2022	4/18/2022	4/18/2022	4/18/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**			
VOCs (cont.)							
1,2-Dibromo-3-chloropropane	0.04	NC	ug/l	5 U	5 U	5 U	5 U
1,2-Dibromoethane	0.0006	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	NC	ug/l	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	NC	ug/l	1 U	1 UJ	1 UJ	1 UJ
1,3-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U
1,4-Dioxane	0.35	NC	ug/l	50 UJ	50 UJ	50 UJ	50 UJ
2-Butanone	50	NC	ug/l	20 U	20 U	20 U	20 U
2-Hexanone	50	NC	ug/l	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NC	NC	ug/l	10 U	10 U	10 U	10 U
Acetone	50	NC	ug/l	3 J	4.3 J	3.8 J	7 J
Benzene	1	NC	ug/l	1 U	1 U	1 U	0.51 J
Bromochloromethane	5	NC	ug/l	1 U	1 U	1 U	1 U
Bromodichloromethane	50	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Bromoform	50	NC	ug/l	1 UJ	1 U	1 U	1 U
Bromomethane	5	NC	ug/l	2 U	2 U	2 U	2 U
Carbon disulfide	60	NC	ug/l	5 U	5 UJ	5 UJ	5 UJ
Carbon tetrachloride	5	NC	ug/l	5 U	5 U	5 U	5 U
Chlorobenzene	5	NC	ug/l	1 U	1 U	1 U	1 U
Chloroethane	5	NC	ug/l	2 U	2 UJ	2 UJ	2 UJ
Chloroform	7	NC	ug/l	2 U	2 U	2 U	2 U
Chloromethane	5	NC	ug/l	2 UJ	2 U	2 U	3.9
cis-1,2-Dichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Cyclohexane	NC	NC	ug/l	5 U	5 U	5 U	5 U
Dibromochloromethane	50	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Dichlorodifluoromethane (Freon 12)	5	NC	ug/l	2 U	2 U	2 U	2 U
Ethylbenzene	5	NC	ug/l	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	NC	ug/l	1 U	1 U	1 U	1 U
Methyl acetate	NC	NC	ug/l	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)	10	NC	ug/l	0.18 J	0.19 J	1 U	0.28 J
Methylcyclohexane	NC	NC	ug/l	1 U	1 U	1 U	1 U
Methylene chloride	5	NC	ug/l	5 U	5 U	5 U	5 U
Styrene	5	NC	ug/l	1 U	1 U	1 U	1 U
Tetrachloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U
Toluene	5	NC	ug/l	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/l	2 U	2 U	2 U	2 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/l	1 U	1 U	1 U	1 U
Vinyl chloride	2	NC	ug/l	2 U	2 U	2 U	2 U
Xylenes, total	5	NC	ug/l	1 U	1 U	1 U	1 U

Table 4
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of McLaughlin Landfill Sample Analytical Results

			Location ID	MW-01	MW-02	MW-03	MW-05
			Sample ID	QNSB-MCLN-MW-01	QNSB-MCLN-MW-02	QNSB-MCLN-MW-03	QNSB-MCLN-MW-05
			Lab Sample ID	22D1346-09/ 22D1346-09RE1	22D1346-10	22D1346-11	22D1346-12
			Sample Date	4/15/2022	4/18/2022	4/18/2022	4/18/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**			
SVOCs							
1,1'-Biphenyl	5	NC	ug/l	21 U	NA	NA	22 U
1,2,4,5-Tetrachlorobenzene	5	NC	ug/l	10 U	NA	NA	11 U
2,2'-Oxybis(1-chloropropane)	5	NC	ug/l	10 U	NA	NA	11 U
2,4,5-Trichlorophenol	NC	NC	ug/l	10 U	NA	NA	11 U
2,4,6-Trichlorophenol	NC	NC	ug/l	10 U	NA	NA	11 U
2,4-Dichlorophenol	5	NC	ug/l	10 U	NA	NA	11 U
2,4-Dimethylphenol	50	NC	ug/l	10 U	NA	NA	11 U
2,4-Dinitrophenol	10	NC	ug/l	10 U	NA	NA	11 U
2,4-Dinitrotoluene	5	NC	ug/l	10 U	NA	NA	11 U
2,6-Dinitrotoluene	5	NC	ug/l	10 U	NA	NA	11 U
2-Chloronaphthalene	10	NC	ug/l	10 U	NA	NA	11 UJ
2-Chlorophenol	NC	NC	ug/l	10 U	NA	NA	11 U
2-Methylnaphthalene	NC	NC	ug/l	5.2 U	NA	NA	5.5 U
2-Methylphenol	NC	NC	ug/l	10 U	NA	NA	11 U
2-Nitroaniline	5	NC	ug/l	10 U	NA	NA	11 U
2-Nitrophenol	NC	NC	ug/l	10 U	NA	NA	11 U
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	ug/l	10 U	NA	NA	11 U
3,3'-Dichlorobenzidine	5	NC	ug/l	10 U	NA	NA	11 U
3-Nitroaniline	5	NC	ug/l	10 U	NA	NA	11 U
4,6-Dinitro-2-methylphenol	NC	NC	ug/l	10 U	NA	NA	11 U
4-Bromophenyl phenyl ether	NC	NC	ug/l	10 U	NA	NA	11 U
4-Chloro-3-methylphenol	NC	NC	ug/l	10 U	NA	NA	11 U
4-Chloroaniline	5	NC	ug/l	10 U	NA	NA	11 U
4-Chlorophenyl phenyl ether	NC	NC	ug/l	10 U	NA	NA	11 U
4-Nitroaniline	5	NC	ug/l	10 U	NA	NA	11 U
4-Nitrophenol	NC	NC	ug/l	10 U	NA	NA	11 U
Acenaphthene	20	NC	ug/l	5.2 U	NA	NA	5.5 U
Acenaphthylene	NC	NC	ug/l	5.2 U	NA	NA	5.5 U
Acetophenone	NC	NC	ug/l	10 U	NA	NA	11 U
Anthracene	50	NC	ug/l	5.2 U	NA	NA	5.5 U
Atrazine	7.5	NC	ug/l	21 U	NA	NA	22 U
Benzaldehyde	NC	NC	ug/l	10 U	NA	NA	11 U
Benzo(a)anthracene	0.002	NC	ug/l	5.2 U	NA	NA	5.5 U
Benzo(a)pyrene	0	NC	ug/l	5.2 U	NA	NA	5.5 U
Benzo(b)fluoranthene	0.002	NC	ug/l	5.2 U	NA	NA	5.5 U
Benzo(g,h,i)perylene	NC	NC	ug/l	5.2 U	NA	NA	5.5 U
Benzo(k)fluoranthene	0.002	NC	ug/l	5.2 U	NA	NA	5.5 U
Bis(2-chloroethoxy)methane	5	NC	ug/l	10 U	NA	NA	11 UJ
Bis(2-chloroethyl) ether	1	NC	ug/l	10 U	NA	NA	11 U
Bis(2-ethylhexyl)phthalate	5	NC	ug/l	10 U	NA	NA	11 U
Butylbenzylphthalate	50	NC	ug/l	10 U	NA	NA	11 U
Caprolactam	NC	NC	ug/l	10 UJ	NA	NA	11 UJ
Carbazole	NC	NC	ug/l	10 U	NA	NA	11 U

Table 4
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of McLaughlin Landfill Sample Analytical Results

			Location ID	MW-01	MW-02	MW-03	MW-05
			Sample ID	QNSB-MCLN-MW-01	QNSB-MCLN-MW-02	QNSB-MCLN-MW-03	QNSB-MCLN-MW-05
			Lab Sample ID	22D1346-09/ 22D1346-09RE1	22D1346-10	22D1346-11	22D1346-12
			Sample Date	4/15/2022	4/18/2022	4/18/2022	4/18/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**			
SVOCs (cont)							
Chrysene	0.002	NC	ug/l	5.2 U	NA	NA	5.5 U
Dibenz(a,h)anthracene	NC	NC	ug/l	5.2 U	NA	NA	5.5 U
Dibenzofuran	NC	NC	ug/l	5.2 U	NA	NA	5.5 U
Diethyl phthalate	50	NC	ug/l	10 U	NA	NA	11 U
Dimethylphthalate	50	NC	ug/l	10 UJ	NA	NA	11 UJ
Di-n-butylphthalate	50	NC	ug/l	10 U	NA	NA	11 U
Di-n-octylphthalate	NC	NC	ug/l	10 U	NA	NA	11 U
Fluoranthene	50	NC	ug/l	5.2 U	NA	NA	5.5 U
Fluorene	50	NC	ug/l	5.2 U	NA	NA	5.5 U
Hexachlorobenzene	0.04	NC	ug/l	10 U	NA	NA	11 U
Hexachlorobutadiene	0.5	NC	ug/l	10 UJ	NA	NA	11 U
Hexachlorocyclopentadiene	5	NC	ug/l	10 U	NA	NA	11 U
Hexachloroethane	5	NC	ug/l	10 UJ	NA	NA	11 U
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/l	5.2 U	NA	NA	5.5 U
Isophorone	50	NC	ug/l	10 U	NA	NA	11 U
Naphthalene	10	NC	ug/l	5.2 U	NA	NA	5.5 U
Nitrobenzene	0.4	NC	ug/l	10 U	NA	NA	11 U
n-Nitroso-di-n-propylamine	NC	NC	ug/l	10 U	NA	NA	11 U
N-Nitrosodiphenylamine	50	NC	ug/l	10 U	NA	NA	11 U
Pentachlorophenol	1	NC	ug/l	10 U	NA	NA	11 U
Phenanthrene	50	NC	ug/l	5.2 U	NA	NA	5.5 U
Phenol	1	NC	ug/l	10 U	NA	NA	11 U
Pyrene	50	NC	ug/l	5.2 U	NA	NA	5.5 U
PCBs							
Aroclor-1016	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Aroclor-1221	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Aroclor-1232	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Aroclor-1242	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Aroclor-1248	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Aroclor-1254	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Aroclor-1260	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Aroclor-1262	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Aroclor-1268	NC	NC	ug/l	0.22 U	NA	NA	0.2 U
Total PCBs	0.09	NC	ug/l	--	NA	NA	--
Metals							
Aluminum	NC	NC	ug/l	910	NA	NA	1,900
Antimony	3	NC	ug/l	50 UJ	NA	NA	50 UJ
Arsenic	25	NC	ug/l	10 U	NA	NA	10 U
Barium	1,000	NC	ug/l	79 J	NA	NA	120 J
Beryllium	3	NC	ug/l	4 UJ	NA	NA	4 UJ
Cadmium	5	NC	ug/l	4 U	NA	NA	4 U
Calcium	NC	NC	ug/l	210,000	NA	NA	210,000
Chromium	50	NC	ug/l	3.7 J	NA	NA	9.3 J

Table 4
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of McLaughlin Landfill Sample Analytical Results

			Location ID	MW-01	MW-02	MW-03	MW-05
			Sample ID	QNSB-MCLN-MW-01	QNSB-MCLN-MW-02	QNSB-MCLN-MW-03	QNSB-MCLN-MW-05
			Lab Sample ID	22D1346-09/ 22D1346-09RE1	22D1346-10	22D1346-11	22D1346-12
			Sample Date	4/15/2022	4/18/2022	4/18/2022	4/18/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**			
Metals (cont.)							
Cobalt	NC	NC	ug/l	3.9 J	NA	NA	6.3 J
Copper	200	NC	ug/l	11	NA	NA	6.5 J
Iron	300	NC	ug/l	**2,600 J**	NA	NA	**3,600 J**
Lead	25	NC	ug/l	10 UJ	NA	NA	10 UJ
Magnesium	35,000	NC	ug/l	**49,000 J**	NA	NA	**50,000 J**
Manganese	300	NC	ug/l	**1,000 J**	NA	NA	**1,400 J**
Mercury	0.7	NC	ug/l	0.052 J	NA	NA	0.1 U
Nickel	100	NC	ug/l	10 UJ	NA	NA	14 J
Potassium	NC	NC	ug/l	2,400	NA	NA	3,100
Selenium	10	NC	ug/l	50 UJ	NA	NA	50 UJ
Silver	50	NC	ug/l	10 U	NA	NA	10 U
Sodium	20,000	NC	ug/l	13,000	NA	NA	15,000
Thallium	0.5	NC	ug/l	50 U	NA	NA	50 U
Vanadium	NC	NC	ug/l	10 UJ	NA	NA	10 UJ
Zinc	2,000	NC	ug/l	30 J	NA	NA	110 J
Pesticides							
2,4,5-T	35	NC	ug/l	0.1 U	NA	NA	0.11 U
2,4,5-TP (Silvex)	0.26	NC	ug/l	0.052 U	NA	NA	0.057 U
2,4-D	50	NC	ug/l	0.52 U	NA	NA	0.57 U
2,4-DB	NC	NC	ug/l	0.52 U	NA	NA	0.57 U
4,4'-DDD	0.3	NC	ug/l	0.044 U	NA	NA	0.041 U
4,4'-DDE	0.2	NC	ug/l	0.044 U	NA	NA	0.041 U
4,4'-DDT	0.2	NC	ug/l	0.044 U	NA	NA	0.041 U
Aldrin	0	NC	ug/l	0.056 U	NA	NA	0.051 U
alpha-BHC	0.01	NC	ug/l	0.056 U	NA	NA	0.051 U
alpha-Chlordane	0.05	NC	ug/l	0.056 U	NA	NA	0.051 U
beta-BHC	0.04	NC	ug/l	0.056 U	NA	NA	0.051 U
Dalapon	50	NC	ug/l	1.3 U	NA	NA	1.4 U
delta-BHC	0.04	NC	ug/l	0.056 U	NA	NA	0.051 U
Dicamba	0.44	NC	ug/l	0.052 U	NA	NA	0.057 U
Dichloroprop	NC	NC	ug/l	0.52 U	NA	NA	0.57 U
Dieldrin	0.004	NC	ug/l	0.0022 U	NA	NA	0.002 U
Dinoseb	NC	NC	ug/l	0.26 U	NA	NA	0.29 U
Endosulfan I	NC	NC	ug/l	0.056 U	NA	NA	0.051 U
Endosulfan II	NC	NC	ug/l	0.089 U	NA	NA	0.082 U
Endosulfan sulfate	NC	NC	ug/l	0.089 U	NA	NA	0.082 U
Endrin	0	NC	ug/l	0.089 U	NA	NA	0.082 U
Endrin aldehyde	5	NC	ug/l	0.089 U	NA	NA	0.082 U
Endrin ketone	5	NC	ug/l	0.089 U	NA	NA	0.082 U
gamma-BHC (Lindane)	0.05	NC	ug/l	0.033 U	NA	NA	0.031 U
gamma-Chlordane	0.05	NC	ug/l	0.056 U	NA	NA	0.051 U
Heptachlor	0.04	NC	ug/l	0.056 U	NA	NA	0.051 U
Heptachlor epoxide Heptachlor epoxide B	0.03	NC	ug/l	0.056 U	NA	NA	0.051 U
MCPA	NC	NC	ug/l	52 U	NA	NA	57 U

Table 4
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of McLaughlin Landfill Sample Analytical Results

			Location ID	MW-01	MW-02	MW-03	MW-05
			Sample ID	QNSB-MCLN-MW-01	QNSB-MCLN-MW-02	QNSB-MCLN-MW-03	QNSB-MCLN-MW-05
			Lab Sample ID	22D1346-09/ 22D1346-09RE1	22D1346-10	22D1346-11	22D1346-12
			Sample Date	4/15/2022	4/18/2022	4/18/2022	4/18/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**			
Pesticides (cont.)							
MCPP	NC	NC	ug/l	52 U	NA	NA	57 U
Methoxychlor	35	NC	ug/l	0.56 U	NA	NA	0.51 U
Toxaphene	0.06	NC	ug/l	1.1 U	NA	NA	1 U
General Chemistry							
Cyanide	200	NC	ug/l	3.6 J	NA	NA	10 U

Notes:
ug/l - micrograms per liter.
ng/l - nanograms per liter.

J - Estimated value.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values shown in **bold** exceed the NYSDEC guidance value.
Values with gray shading exceed the NYSDOH MCL.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

Table 5
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Finch-Pruyn Paper Landfill Sample Analytical Results

				Location ID	MW-3AR		MW-4D	MW-4E	MW-B	WS-01
				Sample ID	QNSB-FNCH-MW-3AR	DUPLICATE	QNSB-FNCH-MW-4D	QNSB-FNCH-MW-4E	QNSB-FNCH-MW-B	QNSB-FNCH-WS-01
				Lab Sample ID	22D1653-03/ 22D1653-03RE1	22D1653-06/ 22D1653-06RE1	22D1653-01	22D1653-02	22D1653-04/ 22D1653-04RE1	22D1653-05
				Sample Date	4/22/2022	4/22/2022	4/21/2022	4/21/2022	4/22/2022	4/21/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
1,4-Dioxane										
1,4-Dioxane	0.35	1	18,000	ugl	0.21 U	0.26 U	0.21 U	0.21 U	0.2 U	0.24 U
PFAS										
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	NC	ng/l	1.2 J	1.9 U	1.8 U	2.8	1.6 U	1.7 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	NC	ng/l	1.8 UJ	1.9 UJ	1.8 U	1.9 U	1.6 UJ	1.7 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	NC	ng/l	1.8 UJ	1.9 UJ	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	NC	ng/l	0.27 J	1.9 U	0.4 J	1.9 U	1.6 U	0.57 J
Perfluorobutanoic acid (PFBA)	NC	NC	NC	ng/l	1.4 J	1.3 J	2.3	1.5 J	1.6 U	1.6 J
Perfluorobutylsulfonamide	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorodecane sulfonic acid (PFDS)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorodecanoic acid (PFDA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorododecanoic acid (PFDoA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	NC	ng/l	0.34 J	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	0.3 J
Perfluorohexanesulfonamide	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorohexanoic acid (PFHxA)	NC	NC	NC	ng/l	0.45 J	0.38 J	0.96 J	0.64 J	1.6 U	1.7 U
Perfluorononane sulfonic acid (PFNS)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorononanoic acid (PFNA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorooctane sulfonic acid (PFOS)	2.7	10	160,000	ng/l	0.91 J	1.9 U	1.8 U	1.9 U	0.85 J	1.1 J
Perfluorooctanoic acid (PFOA)	6.7	10	NC	ng/l	1.5 J	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoropentanoic acid (PFPeA)	NC	NC	NC	ng/l	0.5 J	1.9 U	0.78 J	0.63 J	1.6 U	1.7 U
Perfluorotetradecanoic acid (PFTA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.6 U	1.7 U
Total PFAS	NC	NC	NC	ng/l	6.57	1.68	4.44	5.57	0.85	3.57
VOCs										
1,1,1-Trichloroethane	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	NC	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	NC	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethane	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U

Table 5
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Finch-Pruyn Paper Landfill Sample Analytical Results

				Location ID	MW-3AR		MW-4D	MW-4E	MW-B	WS-01
				Sample ID	QNSB-FNCH-MW-3AR	DUPLICATE	QNSB-FNCH-MW-4D	QNSB-FNCH-MW-4E	QNSB-FNCH-MW-B	QNSB-FNCH-WS-01
				Lab Sample ID	22D1653-03/ 22D1653-03RE1	22D1653-06/ 22D1653-06RE1	22D1653-01	22D1653-02	22D1653-04/ 22D1653-04RE1	22D1653-05
				Sample Date	4/22/2022	4/22/2022	4/21/2022	4/21/2022	4/22/2022	4/21/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
VOCs (cont.)										
1,1-Dichloroethene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	NC	5**	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,2,4-Trichlorobenzene	5	NC	5**	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dibromo-3-chloropropane	0.04	NC	NC	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	0.0006	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2-Dichlorobenzene	3	NC	5**	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	NC	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,3-Dichlorobenzene	3	NC	5**	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	NC	5**	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	0.35	NC	18,000	ug/l	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
2-Butanone	50	NC	NC	ug/l	20 U	20 U	20 U	20 U	20 U	20 U
2-Hexanone	50	NC	NC	ug/l	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NC	NC	NC	ug/l	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	NC	NC	ug/l	50 U	50 U	50 U	50 U	50 U	4.4 J
Benzene	1	NC	210	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	NC	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Bromodichloromethane	50	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Bromoform	50	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	NC	NC	ug/l	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Carbon disulfide	60	NC	NC	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	NC	NC	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	NC	5	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	NC	NC	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	7	NC	NC	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
Chloromethane	5	NC	NC	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Cyclohexane	NC	NC	NC	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Dichlorodifluoromethane (Freon 12)	5	NC	NC	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	5	NC	17	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	NC	2.6	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Methyl acetate	NC	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)	10	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	NC	NC	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	NC	100	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4	NC	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	NC	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ

Table 5
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Finch-Pruyn Paper Landfill Sample Analytical Results

				Location ID	MW-3AR		MW-4D	MW-4E	MW-B	WS-01
				Sample ID	QNSB-FNCH-MW-3AR	DUPLICATE	QNSB-FNCH-MW-4D	QNSB-FNCH-MW-4E	QNSB-FNCH-MW-B	QNSB-FNCH-WS-01
				Lab Sample ID	22D1653-03/ 22D1653-03RE1	22D1653-06/ 22D1653-06RE1	22D1653-01	22D1653-02	22D1653-04/ 22D1653-04RE1	22D1653-05
				Sample Date	4/22/2022	4/22/2022	4/21/2022	4/21/2022	4/22/2022	4/21/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
VOCs (cont.)										
Trichlorofluoromethane (Freon 11)	5	NC	NC	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
Trichlorotrifluoroethane (Freon 113)	5	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	NC	NC	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
Xylenes, total	5	NC	65**	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
SVOCs										
1,1'-Biphenyl	5	NC	NC	ug/l	22 U	25 U	24 U	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	5	NC	NC	ug/l	11 UJ	12 UJ	12 UJ	NA	NA	NA
2,4,5-Trichlorophenol	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2,4,6-Trichlorophenol	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2,4-Dichlorophenol	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2,4-Dimethylphenol	50	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2,4-Dinitrophenol	10	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2,4-Dinitrotoluene	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2,6-Dinitrotoluene	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2-Chloronaphthalene	10	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2-Chlorophenol	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2-Methylnaphthalene	NC	NC	4.7	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
2-Methylphenol	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2-Nitroaniline	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
2-Nitrophenol	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
3,3'-Dichlorobenzidine	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
3-Nitroaniline	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
4-Bromophenyl phenyl ether	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
4-Chloro-3-methylphenol	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
4-Chloroaniline	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
4-Nitroaniline	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
4-Nitrophenol	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Acenaphthene	20	NC	5.3	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Acenaphthylene	NC	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Acetophenone	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Anthracene	50	NC	3.8	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Atrazine	7.5	NC	NC	ug/l	22 U	25 U	24 U	NA	NA	NA
Benzaldehyde	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Benzo(a)anthracene	0.002	NC	0.03	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Benzo(a)pyrene	0	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Benzo(b)fluoranthene	0.002	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Benzo(g,h,i)perylene	NC	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Benzo(k)fluoranthene	0.002	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Bis(2-chloroethoxy)methane	5	NC	NC	ug/l	11 UJ	12 UJ	12 U	NA	NA	NA

Table 5
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Finch-Pruyn Paper Landfill Sample Analytical Results

				Location ID	MW-3AR		MW-4D	MW-4E	MW-B	WS-01
				Sample ID	QNSB-FNCH-MW-3AR	DUPLICATE	QNSB-FNCH-MW-4D	QNSB-FNCH-MW-4E	QNSB-FNCH-MW-B	QNSB-FNCH-WS-01
				Lab Sample ID	22D1653-03/ 22D1653-03RE1	22D1653-06/ 22D1653-06RE1	22D1653-01	22D1653-02	22D1653-04/ 22D1653-04RE1	22D1653-05
				Sample Date	4/22/2022	4/22/2022	4/21/2022	4/21/2022	4/22/2022	4/21/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
SVOCs (cont.)										
Bis(2-chloroethyl) ether	1	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	NC	0.6	ug/l	11 U	12 U	12 U	NA	NA	NA
Butylbenzylphthalate	50	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Caprolactam	NC	NC	NC	ug/l	11 UJ	12 UJ	12 UJ	NA	NA	NA
Carbazole	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Chrysene	0.002	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Dibenz(a,h)anthracene	NC	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Dibenzofuran	NC	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Diethyl phthalate	50	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Dimethylphthalate	50	NC	NC	ug/l	11 UJ	12 UJ	12 UJ	NA	NA	NA
Di-n-butylphthalate	50	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Di-n-octylphthalate	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Fluoranthene	50	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Fluorene	50	NC	0.54	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Hexachlorobenzene	0.04	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Hexachlorobutadiene	0.5	NC	1.0	ug/l	11 U	12 U	12 U	NA	NA	NA
Hexachlorocyclopentadiene	5	NC	0.45	ug/l	11 U	12 U	12 U	NA	NA	NA
Hexachloroethane	5	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	NC	NC	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Isophorone	50	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Naphthalene	10	NC	13	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Nitrobenzene	0.4	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
n-Nitroso-di-n-propylamine	NC	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Pentachlorophenol	1	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Phenanthrene	50	NC	5.0	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
Phenol	1	NC	NC	ug/l	11 U	12 U	12 U	NA	NA	NA
Pyrene	50	NC	4.6	ug/l	5.6 U	6.2 U	6 U	NA	NA	NA
PCBs										
Aroclor-1016	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Aroclor-1221	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Aroclor-1232	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Aroclor-1242	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Aroclor-1248	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Aroclor-1254	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Aroclor-1260	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Aroclor-1262	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Aroclor-1268	NC	NC	NC	ug/l	0.24 U	0.24 U	0.22 U	NA	NA	NA
Total PCBs	0.09	NC	NC	ug/l	--	--	--	NA	NA	NA
Metals										
Aluminum	NC	NC	100	ug/l	470	83	26 J	NA	NA	NA
Antimony	3	NC	NC	ug/l	1 U	1 U	1 U	NA	NA	NA
Arsenic	25	NC	150	ug/l	3.3	2.8	5	NA	NA	NA

Table 5
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Finch-Pruyn Paper Landfill Sample Analytical Results

				Location ID	MW-3AR		MW-4D	MW-4E	MW-B	WS-01
				Sample ID	QNSB-FNCH-MW-3AR	DUPLICATE	QNSB-FNCH-MW-4D	QNSB-FNCH-MW-4E	QNSB-FNCH-MW-B	QNSB-FNCH-WS-01
				Lab Sample ID	22D1653-03/ 22D1653-03RE1	22D1653-06/ 22D1653-06RE1	22D1653-01	22D1653-02	22D1653-04/ 22D1653-04RE1	22D1653-05
				Sample Date	4/22/2022	4/22/2022	4/21/2022	4/21/2022	4/22/2022	4/21/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
Metals (cont.)										
Barium	1,000	NC	NC	ug/l	62	71	110	NA	NA	NA
Beryllium	3	NC	11	ug/l	0.4 U	0.4 U	0.4 U	NA	NA	NA
Cadmium	5	NC	5*	ug/l	0.24	0.2 U	0.2 U	NA	NA	NA
Calcium	NC	NC	NC	ug/l	120,000	120,000	140,000	NA	NA	NA
Chromium	50	NC	50*	ug/l	2	1.3	1 U	NA	NA	NA
Cobalt	NC	NC	5	ug/l	4.7	1.8	3.4	NA	NA	NA
Copper	200	NC	200*	ug/l	9.2 JH	2.9 JH	1 U	NA	NA	NA
Iron	300	NC	300	ug/l	**4,700**	**2,300**	**5,700**	NA	NA	NA
Lead	25	NC	50*	ug/l	0.61	0.5 U	0.5 U	NA	NA	NA
Magnesium	35,000	NC	NC	ug/l	31,000	30,000	25,000	NA	NA	NA
Manganese	300	NC	NC	ug/l	**450**	190	**1,100 D**	NA	NA	NA
Mercury	0.7	NC	0.77	ug/l	0.1 U	0.1 U	0.1 U	NA	NA	NA
Nickel	100	NC	100*	ug/l	18	6.4	5 U	NA	NA	NA
Potassium	NC	NC	NC	ug/l	2,000 J	1,800 J	2,000	NA	NA	NA
Selenium	10	NC	4.6	ug/l	5 U	5 U	5 U	NA	NA	NA
Silver	50	NC	0.1	ug/l	0.2 U	0.2 U	0.2 U	NA	NA	NA
Sodium	20,000	NC	NC	ug/l	15,000	15,000	12,000	NA	NA	NA
Thallium	0.5	NC	8	ug/l	0.2 U	0.2 U	0.2 U	NA	NA	NA
Vanadium	NC	NC	14	ug/l	5 U	5 U	5 U	NA	NA	NA
Zinc	2,000	NC	2,000*	ug/l	24	10 U	10 U	NA	NA	NA
Pesticides										
2,4,5-T	35	NC	NC	ug/l	0.12 U	0.12 U	0.11 U	NA	NA	NA
2,4,5-TP (Silvex)	0.26	NC	NC	ug/l	0.059 U	0.061 U	0.057 U	NA	NA	NA
2,4-D	50	NC	NC	ug/l	0.59 U	0.61 U	0.57 U	NA	NA	NA
2,4-DB	NC	NC	NC	ug/l	0.59 U	0.61 U	0.57 U	NA	NA	NA
4,4'-DDD	0.3	NC	NC	ug/l	0.047 U	0.048 U	0.043 U	NA	NA	NA
4,4'-DDE	0.2	NC	NC	ug/l	0.047 U	0.048 U	0.043 U	NA	NA	NA
4,4'-DDT	0.2	NC	NC	ug/l	0.047 U	0.048 U	0.043 U	NA	NA	NA
Aldrin	0	NC	NC	ug/l	0.059 U	0.06 U	0.054 U	NA	NA	NA
alpha-BHC	0.01	NC	NC	ug/l	0.059 U	0.06 U	0.054 U	NA	NA	NA
alpha-Chlordane	0.05	NC	NC	ug/l	0.059 U	0.06 U	0.054 U	NA	NA	NA
beta-BHC	0.04	NC	NC	ug/l	0.059 U	0.06 U	0.054 U	NA	NA	NA
Dalapon	50	NC	NC	ug/l	1.5 U	1.5 U	1.4 U	NA	NA	NA
delta-BHC	0.04	NC	NC	ug/l	0.059 U	0.06 U	0.054 U	NA	NA	NA
Dicamba	0.44	NC	NC	ug/l	0.059 U	0.061 U	0.057 U	NA	NA	NA
Dichloroprop	NC	NC	NC	ug/l	0.59 U	0.61 U	0.57 U	NA	NA	NA
Dieldrin	0.004	NC	0.056	ug/l	0.0024 U	0.0024 U	0.0022 U	NA	NA	NA
Dinoseb	NC	NC	NC	ug/l	0.29 U	0.3 U	0.28 U	NA	NA	NA
Endosulfan I	NC	NC	NC	ug/l	0.059 U	0.06 U	0.054 UJ	NA	NA	NA
Endosulfan II	NC	NC	NC	ug/l	0.094 U	0.095 U	0.086 U	NA	NA	NA
Endosulfan sulfate	NC	NC	NC	ug/l	0.094 U	0.095 U	0.086 U	NA	NA	NA
Endrin	0	NC	0.036	ug/l	0.094 U	0.095 U	0.086 U	NA	NA	NA
Endrin aldehyde	5	NC	NC	ug/l	0.094 U	0.095 U	0.086 U	NA	NA	NA

Table 5
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Finch-Pruyn Paper Landfill Sample Analytical Results

				Location ID	MW-3AR		MW-4D	MW-4E	MW-B	WS-01
				Sample ID	QNSB-FNCH-MW-3AR	DUPLICATE	QNSB-FNCH-MW-4D	QNSB-FNCH-MW-4E	QNSB-FNCH-MW-B	QNSB-FNCH-WS-01
				Lab Sample ID	22D1653-03/ 22D1653-03RE1	22D1653-06/ 22D1653-06RE1	22D1653-01	22D1653-02	22D1653-04/ 22D1653-04RE1	22D1653-05
				Sample Date	4/22/2022	4/22/2022	4/21/2022	4/21/2022	4/22/2022	4/21/2022
				Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surface Water
Analyte	**NYSDEC GA Value[1]**	**NYSDOH MCL[2]**	**NYSDEC Class A Type A(C)[3]**	**Unit**	**Results**					
Pesticides (cont.)										
Endrin ketone	5	NC	NC	ug/l	0.094 U	0.095 U	0.086 U	NA	NA	NA
gamma-BHC (Lindane)	0.05	NC	NC	ug/l	0.035 U	0.036 U	0.032 U	NA	NA	NA
gamma-Chlordane	0.05	NC	NC	ug/l	0.059 U	0.06 U	0.054 U	NA	NA	NA
Heptachlor	0.04	NC	NC	ug/l	0.059 U	0.06 U	0.054 U	NA	NA	NA
Heptachlor epoxide Heptachlor epoxide B	0.03	NC	NC	ug/l	0.059 U	0.06 U	0.054 U	NA	NA	NA
MCPA	NC	NC	NC	ug/l	59 U	61 U	57 U	NA	NA	NA
MCPP	NC	NC	NC	ug/l	59 U	61 U	57 U	NA	NA	NA
Methoxychlor	35	NC	0.03	ug/l	0.59 U	0.6 U	0.54 U	NA	NA	NA
Toxaphene	0.06	NC	0.005	ug/l	1.2 U	1.2 U	1.1 U	NA	NA	NA
General Chemistry										
Cyanide	200	NC	5.2	ug/l	10 UJ	10 UJ	10 UJ	NA	NA	NA

Notes:
ug/l - micrograms per liter.
ng/l - nanograms per liter.
D - Dilution.
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
NYSDEC Class A Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class A (Type A(C)) water
Values shown in **bold** exceed the NYSDEC guidance value.
Values with gray shading exceed the NYSDOH MCL.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

1 - NYSDEC GA Values apply to leachate and groundwater samples only.
2 - NYSDOH MCL standards apply to leachate, groundwater, and surface water samples.
3 - NYSDEC Class A Values apply to surface water samples only.

Table 6
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Ciba-Geigy Landfill Sample Analytical Results

				MW-1	MW-2	MW-2B	MW-3	
			Location ID	QNSB-CBGY-MW-1	QNSB-CBGY-MW-2	QNSB-CBGY-MW-2B	QNSB-CBGY-MW-3	DUPLICATE
			Sample ID	22F1364-13/ 22F1364-13RE1	22F1364-03	22F1364-02	22F1364-04	22F1364-05
			Lab Sample ID	6/22/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
1,4-Dioxane								
1,4-Dioxane	0.35	1	ug/l	**0.61**	0.26	0.29	**0.57**	**0.75**
PFAS								
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/l	34	21	0.62 J	2.8 J	0.59 J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/l	1.3 J	0.5 J	1 J	1.6 J	0.92 J
Perfluorobutanoic acid (PFBA)	NC	NC	ng/l	4.3	1.8 U	2.2	6.7 J	3.5
Perfluorobutylsulfonamide	NC	NC	ng/l	0.49 J	1.8 U	0.2 J	0.27 J	1.9 U
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 UJ	1.9 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	ng/l	1.6 J	1.4 J	4.5	7.3	2.6
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/l	1.2 J	1.8 U	3.2	1.3 J	0.75 J
Perfluorohexanesulfonamide	NC	NC	ng/l	1.8 UJ	1.8 UJ	1.8 UJ	1.9 UJ	1.9 UJ
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/l	3.4	4.5	3.8	14	4.3
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	0.53 J	1.9 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluorooctane sulfonic acid (PFOS)	2.7	10	ng/l	1.2 J	1.7 J	1.8 U	2.1	1.2 J
Perfluorooctanoic acid (PFOA)	6.7	10	ng/l	6.7	1.5 J	**20**	**12**	4.9
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/l	0.59 J	1.8 U	0.87 J	0.58 J	0.31 J
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/l	2.8	3.5	2.6	7.3	3.2
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/l	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U
Total PFAS	NC	NC	ng/l	57.58	34.1	38.99	56.48	22.27
VOCs								
1,1,1-Trichloroethane	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethane	5	NC	ug/l	1 U	1 U	0.33 J	1 U	0.44 J
1,1-Dichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	NC	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,2,4-Trichlorobenzene	5	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dibromo-3-chloropropane	0.04	NC	ug/l	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	0.0006	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U	1 U

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				MW-1	MW-2	MW-2B	MW-3	
			Location ID	QNSB-CBGY-MW-1	QNSB-CBGY-MW-2	QNSB-CBGY-MW-2B	QNSB-CBGY-MW-3	DUPLICATE
			Sample ID	22F1364-13/ 22F1364-13RE1	22F1364-03	22F1364-02	22F1364-04	22F1364-05
			Lab Sample ID	6/22/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
VOCs (cont.)								
1,4-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	0.35	NC	ug/l	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
2-Butanone	50	NC	ug/l	20 U	20 U	20 U	20 U	20 U
2-Hexanone	50	NC	ug/l	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NC	NC	ug/l	10 U	10 U	10 U	10 U	10 U
Acetone	50	NC	ug/l	50 U	50 U	50 U	50 U	50 U
Benzene	1	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Bromoform	50	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Bromomethane	5	NC	ug/l	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Carbon disulfide	60	NC	ug/l	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	NC	ug/l	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	NC	ug/l	2 UJ	2 U	2 U	2 U	2 U
Chloroform	7	NC	ug/l	2 U	2 U	2 U	2 U	2 U
Chloromethane	5	NC	ug/l	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	NC	NC	ug/l	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Dichlorodifluoromethane (Freon 12)	5	NC	ug/l	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Methyl acetate	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)	10	NC	ug/l	1 U	1 U	1 U	1 U	0.27 J
Methylcyclohexane	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	NC	ug/l	5 U	5 U	5 U	5 U	5 U
Styrene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Toluene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/l	2 U	2 U	2 U	2 U	2 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	NC	ug/l	2 UJ	2 U	2 U	2 U	2 U
Xylenes, total	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
SVOCs								
1,1'-Biphenyl	5	NC	ug/l	R	NA	NA	R	R
1,2,4,5-Tetrachlorobenzene	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2,2'-Oxybis(1-chloropropane)	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2,4,5-Trichlorophenol	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2,4,6-Trichlorophenol	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2,4-Dichlorophenol	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2,4-Dimethylphenol	50	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2,4-Dinitrophenol	10	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2,4-Dinitrotoluene	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2,6-Dinitrotoluene	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2-Chloronaphthalene	10	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2-Chlorophenol	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2-Methylnaphthalene	NC	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U

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				MW-1	MW-2	MW-2B	MW-3	
			Location ID	QNSB-CBGY-MW-1	QNSB-CBGY-MW-2	QNSB-CBGY-MW-2B	QNSB-CBGY-MW-3	DUPLICATE
			Sample ID	22F1364-13/ 22F1364-13RE1	22F1364-03	22F1364-02	22F1364-04	22F1364-05
			Lab Sample ID	6/22/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
SVOCs (cont.)								
2-Methylphenol	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2-Nitroaniline	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
2-Nitrophenol	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
3,3'-Dichlorobenzidine	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
3-Nitroaniline	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
4,6-Dinitro-2-methylphenol	NC	NC	ug/l	9.8 U	NA	NA	9.6 UJ	9.8 U
4-Bromophenyl phenyl ether	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
4-Chloro-3-methylphenol	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
4-Chloroaniline	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
4-Chlorophenyl phenyl ether	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
4-Nitroaniline	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
4-Nitrophenol	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Acenaphthene	20	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Acenaphthylene	NC	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Acetophenone	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Anthracene	50	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Atrazine	7.5	NC	ug/l	R	NA	NA	R	R
Benzaldehyde	NC	NC	ug/l	R	NA	NA	R	R
Benzo(a)anthracene	0.002	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Benzo(a)pyrene	0	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Benzo(b)fluoranthene	0.002	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Benzo(g,h,i)perylene	NC	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Benzo(k)fluoranthene	0.002	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Bis(2-chloroethoxy)methane	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Bis(2-chloroethyl) ether	1	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Bis(2-ethylhexyl)phthalate	5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Butylbenzylphthalate	50	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Caprolactam	NC	NC	ug/l	R	NA	NA	R	R
Carbazole	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Chrysene	0.002	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Dibenz(a,h)anthracene	NC	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Dibenzofuran	NC	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Diethyl phthalate	50	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Dimethylphthalate	50	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Di-n-butylphthalate	50	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Di-n-octylphthalate	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Fluoranthene	50	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Fluorene	50	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Hexachlorobenzene	0.04	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Hexachlorobutadiene	0.5	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Hexachlorocyclopentadiene	5	NC	ug/l	9.8 UJ	NA	NA	9.6 UJ	9.8 UJ
Hexachloroethane	5	NC	ug/l	9.8 U	NA	NA	9.6 UJ	9.8 U
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Isophorone	50	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Naphthalene	10	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Nitrobenzene	0.4	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
n-Nitroso-di-n-propylamine	NC	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
N-Nitrosodiphenylamine	50	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Pentachlorophenol	1	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U
Phenanthrene	50	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
Phenol	1	NC	ug/l	9.8 U	NA	NA	9.6 U	9.8 U

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			Sample ID	22F1364-13/ 22F1364-13RE1	22F1364-03	22F1364-02	22F1364-04	22F1364-05
			Lab Sample ID	6/22/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
SVOCs (cont.)								
Pyrene	50	NC	ug/l	4.9 U	NA	NA	4.8 U	4.9 U
PCBs								
Aroclor-1016	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Aroclor-1221	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Aroclor-1232	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Aroclor-1242	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Aroclor-1248	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Aroclor-1254	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Aroclor-1260	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Aroclor-1262	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Aroclor-1268	NC	NC	ug/l	0.19 U	NA	NA	0.19 U	0.21 U
Total PCBs	0.09	NC	ug/l	--	NA	NA	--	--
Metals								
Aluminum	NC	NC	ug/l	50 U	NA	NA	50 U	50 UJ
Antimony	3	NC	ug/l	50 U	NA	NA	50 U	50 U
Arsenic	25	NC	ug/l	10 U	NA	NA	10 U	6 J
Barium	1,000	NC	ug/l	220	NA	NA	26 J	30 J
Beryllium	3	NC	ug/l	1 U	NA	NA	4 U	4 U
Boron	1,000	NC	ug/l	NA	NA	NA	100	NA
Cadmium	5	NC	ug/l	4 U	NA	NA	4 U	4 U
Calcium	NC	NC	ug/l	100,000	NA	NA	100,000	120,000
Chromium	50	NC	ug/l	7.2 J	NA	NA	3.6 J	3.6 J
Cobalt	NC	NC	ug/l	10 U	NA	NA	10 U	10 U
Copper	200	NC	ug/l	12	NA	NA	45 J	44
Iron	300	NC	ug/l	**25,000 J**	NA	NA	**24,000 J**	**22,000 J**
Lead	25	NC	ug/l	10 U	NA	NA	10 U	10 U
Magnesium	35,000	NC	ug/l	**56,000**	NA	NA	**51,000**	**58,000 JH**
Manganese	300	NC	ug/l	**370 JH**	NA	NA	**1,500 JH**	**1,500**
Mercury	0.7	NC	ug/l	0.1 U	NA	NA	0.1 U	0.1 U
Nickel	100	NC	ug/l	10 U	NA	NA	10 U	10 U
Potassium	NC	NC	ug/l	3,500	NA	NA	6,800	6,200 J
Selenium	10	NC	ug/l	50 U	NA	NA	50 UJ	50 U
Silver	50	NC	ug/l	10 U	NA	NA	10 U	10 UJ
Sodium	20,000	NC	ug/l	**73,000**	NA	NA	**66,000**	**63,000**
Thallium	0.5	NC	ug/l	50 U	NA	NA	50 U	50 UJ
Vanadium	NC	NC	ug/l	11	NA	NA	7.8 J	8.2 J
Zinc	2,000	NC	ug/l	41	NA	NA	10 U	6 J
Pesticides								
2,4,5-T	35	NC	ug/l	0.1 U	NA	NA	0.1 U	0.097 U
2,4,5-TP (Silvex)	0.26	NC	ug/l	**1.7 D**	NA	NA	0.05 U	0.049 U
2,4-D	50	NC	ug/l	0.5 U	NA	NA	0.5 U	0.49 U
2,4-DB	NC	NC	ug/l	0.5 U	NA	NA	0.5 U	0.49 U
4,4'-DDD	0.3	NC	ug/l	0.038 U	NA	NA	0.039 U	0.041 U
4,4'-DDE	0.2	NC	ug/l	0.038 U	NA	NA	0.039 U	0.041 U
4,4'-DDT	0.2	NC	ug/l	0.038 U	NA	NA	0.039 U	0.041 U
Aldrin	0.0	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
alpha-BHC	0.01	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
alpha-Chlordane	0.05	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
beta-BHC	0.04	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
Dalapon	50	NC	ug/l	1.2 UJ	NA	NA	1.2 UJ	1.2 UJ
delta-BHC	0.04	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
Dicamba	0.44	NC	ug/l	0.05 U	NA	NA	0.05 U	0.049 U

Table 6
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Ciba-Geigy Landfill Sample Analytical Results

				MW-1	MW-2	MW-2B	MW-3	
			Location ID	QNSB-CBGY-MW-1	QNSB-CBGY-MW-2	QNSB-CBGY-MW-2B	QNSB-CBGY-MW-3	DUPLICATE
			Sample ID	22F1364-13/ 22F1364-13RE1	22F1364-03	22F1364-02	22F1364-04	22F1364-05
			Lab Sample ID	6/22/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
Pesticides (cont.)								
Dichloroprop	NC	NC	ug/l	0.5 U	NA	NA	0.5 U	0.49 U
Dieldrin	0.004	NC	ug/l	0.0019 U	NA	NA	0.0019 U	0.0021 U
Dinoseb	NC	NC	ug/l	0.25 UJ	NA	NA	0.25 UJ	0.24 UJ
Endosulfan I	NC	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
Endosulfan II	NC	NC	ug/l	0.077 U	NA	NA	0.078 U	0.082 U
Endosulfan sulfate	NC	NC	ug/l	0.077 U	NA	NA	0.078 U	0.082 U
Endrin	0	NC	ug/l	0.077 U	NA	NA	0.078 U	0.082 U
Endrin aldehyde	5	NC	ug/l	0.077 U	NA	NA	0.078 U	0.082 U
Endrin ketone	5	NC	ug/l	0.077 U	NA	NA	0.078 U	0.082 U
gamma-BHC (Lindane)	0.05	NC	ug/l	0.029 U	NA	NA	0.029 UJ	0.031 U
gamma-Chlordane	0.05	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
Heptachlor	0.04	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
Heptachlor epoxide Heptachlor epoxide B	0.03	NC	ug/l	0.048 U	NA	NA	0.049 U	0.052 U
MCPA	NC	NC	ug/l	50 U	NA	NA	50 U	49 U
MCPP	NC	NC	ug/l	50 U	NA	NA	50 U	49 U
Methoxychlor	35	NC	ug/l	0.48 U	NA	NA	0.49 U	0.52 U
Toxaphene	0.06	NC	ug/l	0.96 U	NA	NA	0.97 U	1 U
General Chemistry								
Cyanide	200	NC	ug/l	10 U	NA	NA	10 U	10 U

Notes:
ug/l - micrograms per liter.
ng/l - nanograms per liter.

D - Dilution.
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.
NA - Not analyzed.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values shown in **bold** exceed the NYSDEC guidance value.
Values with gray shading exceed the NYSDOH MCL.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

Table 6
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Ciba-Geigy Landfill Sample Analytical Results

			Location ID	MW-4 QNSB-CBGY-MW-4	MW-5 QNSB-CBGY-MW-5	MW-6 QNSB-CBGY-MW-6	MW-7 QNSB-CBGY-MW-7	MW-9 QNSB-CBGY-MW-9
			Sample ID	22F1364-09	22F1364-08	22F1364-06	22F1364-07	22F1364-14
			Lab Sample ID	6/21/2022	6/21/2022	6/21/2022	6/21/2022	6/22/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
1,4-Dioxane								
1,4-Dioxane	0.35	1	ug/l	**0.55**	0.31	**0.48**	**1.4**	**0.45**
PFAS								
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/l	16	1.9 U	1.8 U	1.9 U	5.4 J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	0.76 J
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/l	6.9	1.9 U	2.9	0.51 J	2.6
Perfluorobutanoic acid (PFBA)	NC	NC	ng/l	12	1.9 U	6.3	1.4 J	7.3
Perfluorobutylsulfonamide	NC	NC	ng/l	2	1.9 U	1.5 J	1.9 U	1.1 J
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 UJ	1.9 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	ng/l	12	1.9 U	10	1.4 J	6
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/l	4.5	1.9 U	4	0.51 J	2.7
Perfluorohexanesulfonamide	NC	NC	ng/l	1.8 UJ	1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/l	25 JH	1.9 U	9.6 JH	2.4	9.6
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/l	0.88 J	1.9 U	1.8 U	1.9 U	1.9 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Perfluorooctane sulfonic acid (PFOS)	2.7	10	ng/l	**3.2**	1.9 U	1.8 U	1.9 U	2.4
Perfluorooctanoic acid (PFOA)	6.7	10	ng/l	**23**	1.9 U	**24**	2.6	**10**
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/l	2.8	1.9 U	1.1 J	0.27 J	1.7 J
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/l	18 JH	1.9 U	4.1	1.9 U	8.4
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	R	1.9 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	R	1.9 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/l	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U
Total PFAS	NC	NC	ng/l	126.28	--	63.5	9.09	57.96
VOCs								
1,1,1-Trichloroethane	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethane	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	NC	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,2,4-Trichlorobenzene	5	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dibromo-3-chloropropane	0.04	NC	ug/l	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	0.0006	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U	1 U

Table 6
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Ciba-Geigy Landfill Sample Analytical Results

			Location ID	MW-4 QNSB-CBGY-MW-4	MW-5 QNSB-CBGY-MW-5	MW-6 QNSB-CBGY-MW-6	MW-7 QNSB-CBGY-MW-7	MW-9 QNSB-CBGY-MW-9
			Sample ID	22F1364-09	22F1364-08	22F1364-06	22F1364-07	22F1364-14
			Lab Sample ID	6/21/2022	6/21/2022	6/21/2022	6/21/2022	6/22/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
VOCs (cont.)								
1,4-Dichlorobenzene	3	NC	ug/l	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	0.35	NC	ug/l	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
2-Butanone	50	NC	ug/l	20 U	20 U	20 U	20 U	20 U
2-Hexanone	50	NC	ug/l	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NC	NC	ug/l	10 U	10 U	10 U	10 U	10 U
Acetone	50	NC	ug/l	50 U	50 U	50 U	50 U	50 U
Benzene	1	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Bromodichloromethane	50	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Bromoform	50	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Bromomethane	5	NC	ug/l	2 U	2 U	2 U	2 U	2 UJ
Carbon disulfide	60	NC	ug/l	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	NC	ug/l	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Chloroethane	5	NC	ug/l	2 U	2 U	2 U	2 U	2 UJ
Chloroform	7	NC	ug/l	2 U	2 U	2 U	2 U	2 U
Chloromethane	5	NC	ug/l	2 UJ	2 UJ	2 UJ	2 UJ	2 U
cis-1,2-Dichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	NC	NC	ug/l	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Dichlorodifluoromethane (Freon 12)	5	NC	ug/l	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Methyl acetate	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)	10	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	NC	ug/l	5 U	5 U	5 U	5 U	5 U
Styrene	5	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Tetrachloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Toluene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4	NC	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/l	2 U	2 U	2 U	2 U	2 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	NC	ug/l	2 U	2 U	2 U	2 U	2 UJ
Xylenes, total	5	NC	ug/l	1 U	1 U	1 U	1 U	1 U
SVOCs								
1,1'-Biphenyl	5	NC	ug/l	NA	NA	NA	R	R
1,2,4,5-Tetrachlorobenzene	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
2,2'-Oxybis(1-chloropropane)	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
2,4,5-Trichlorophenol	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
2,4,6-Trichlorophenol	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
2,4-Dichlorophenol	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
2,4-Dimethylphenol	50	NC	ug/l	NA	NA	NA	9.8 U	10 U
2,4-Dinitrophenol	10	NC	ug/l	NA	NA	NA	9.8 U	10 U
2,4-Dinitrotoluene	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
2,6-Dinitrotoluene	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
2-Chloronaphthalene	10	NC	ug/l	NA	NA	NA	9.8 U	10 U
2-Chlorophenol	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
2-Methylnaphthalene	NC	NC	ug/l	NA	NA	NA	4.9 U	5.1 U

Table 6
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Ciba-Geigy Landfill Sample Analytical Results

				MW-4	MW-5	MW-6	MW-7	MW-9
			Location ID	QNSB-CBGY-MW-4	QNSB-CBGY-MW-5	QNSB-CBGY-MW-6	QNSB-CBGY-MW-7	QNSB-CBGY-MW-9
			Sample ID	22F1364-09	22F1364-08	22F1364-06	22F1364-07	22F1364-14
			Lab Sample ID	6/21/2022	6/21/2022	6/21/2022	6/21/2022	6/22/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
SVOCs (cont.)								
2-Methylphenol	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
2-Nitroaniline	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
2-Nitrophenol	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
3,3'-Dichlorobenzidine	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
3-Nitroaniline	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
4,6-Dinitro-2-methylphenol	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
4-Bromophenyl phenyl ether	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
4-Chloro-3-methylphenol	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
4-Chloroaniline	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
4-Chlorophenyl phenyl ether	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
4-Nitroaniline	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
4-Nitrophenol	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
Acenaphthene	20	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Acenaphthylene	NC	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Acetophenone	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
Anthracene	50	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Atrazine	7.5	NC	ug/l	NA	NA	NA	R	R
Benzaldehyde	NC	NC	ug/l	NA	NA	NA	R	R
Benzo(a)anthracene	0.002	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Benzo(a)pyrene	0	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Benzo(b)fluoranthene	0.002	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Benzo(g,h,i)perylene	NC	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Benzo(k)fluoranthene	0.002	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Bis(2-chloroethoxy)methane	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
Bis(2-chloroethyl) ether	1	NC	ug/l	NA	NA	NA	9.8 U	10 U
Bis(2-ethylhexyl)phthalate	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
Butylbenzylphthalate	50	NC	ug/l	NA	NA	NA	9.8 U	10 U
Caprolactam	NC	NC	ug/l	NA	NA	NA	R	R
Carbazole	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
Chrysene	0.002	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Dibenz(a,h)anthracene	NC	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Dibenzofuran	NC	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Diethyl phthalate	50	NC	ug/l	NA	NA	NA	9.8 U	10 U
Dimethylphthalate	50	NC	ug/l	NA	NA	NA	9.8 U	10 U
Di-n-butylphthalate	50	NC	ug/l	NA	NA	NA	9.8 U	10 U
Di-n-octylphthalate	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
Fluoranthene	50	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Fluorene	50	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Hexachlorobenzene	0.04	NC	ug/l	NA	NA	NA	9.8 U	10 U
Hexachlorobutadiene	0.5	NC	ug/l	NA	NA	NA	9.8 U	10 U
Hexachlorocyclopentadiene	5	NC	ug/l	NA	NA	NA	9.8 UJ	10 UJ
Hexachloroethane	5	NC	ug/l	NA	NA	NA	9.8 U	10 U
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Isophorone	50	NC	ug/l	NA	NA	NA	9.8 U	10 U
Naphthalene	10	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Nitrobenzene	0.4	NC	ug/l	NA	NA	NA	9.8 U	10 U
n-Nitroso-di-n-propylamine	NC	NC	ug/l	NA	NA	NA	9.8 U	10 U
N-Nitrosodiphenylamine	50	NC	ug/l	NA	NA	NA	9.8 U	10 U
Pentachlorophenol	1	NC	ug/l	NA	NA	NA	9.8 U	10 U
Phenanthrene	50	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
Phenol	1	NC	ug/l	NA	NA	NA	9.8 U	10 U

Table 6
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Ciba-Geigy Landfill Sample Analytical Results

			Location ID	MW-4 QNSB-CBGY-MW-4	MW-5 QNSB-CBGY-MW-5	MW-6 QNSB-CBGY-MW-6	MW-7 QNSB-CBGY-MW-7	MW-9 QNSB-CBGY-MW-9
			Sample ID	22F1364-09	22F1364-08	22F1364-06	22F1364-07	22F1364-14
			Lab Sample ID	6/21/2022	6/21/2022	6/21/2022	6/21/2022	6/22/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
SVOCs (cont.)								
Pyrene	50	NC	ug/l	NA	NA	NA	4.9 U	5.1 U
PCBs								
Aroclor-1016	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Aroclor-1221	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Aroclor-1232	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Aroclor-1242	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Aroclor-1248	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Aroclor-1254	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Aroclor-1260	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Aroclor-1262	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Aroclor-1268	NC	NC	ug/l	NA	NA	NA	0.2 U	0.2 U
Total PCBs	0.09	NC	ug/l	NA	NA	--	--	--
Metals								
Aluminum	NC	NC	ug/l	NA	NA	NA	50 U	50 U
Antimony	3	NC	ug/l	NA	NA	NA	50 UJ	50 U
Arsenic	25	NC	ug/l	NA	NA	NA	10 U	10 U
Barium	1,000	NC	ug/l	NA	NA	NA	550 J	14 J
Beryllium	3	NC	ug/l	NA	NA	NA	4 U	1 U
Boron	1,000	NC	ug/l	NA	NA	NA	NA	NA
Cadmium	5	NC	ug/l	NA	NA	NA	4 UJ	4 U
Calcium	NC	NC	ug/l	NA	NA	NA	49,000 JH	27,000
Chromium	50	NC	ug/l	NA	NA	NA	10 UJ	4.7 J
Cobalt	NC	NC	ug/l	NA	NA	NA	10 U	10 U
Copper	200	NC	ug/l	NA	NA	NA	10 UJ	35
Iron	300	NC	ug/l	NA	NA	NA	**9,800 JH**	**5,900 J**
Lead	25	NC	ug/l	NA	NA	NA	10 UJ	10 U
Magnesium	35,000	NC	ug/l	NA	NA	NA	**38,000 JH**	**37,000**
Manganese	300	NC	ug/l	NA	NA	NA	63 J	140 JH
Mercury	0.7	NC	ug/l	NA	NA	NA	0.1 U	0.1 U
Nickel	100	NC	ug/l	NA	NA	NA	10 U	10 U
Potassium	NC	NC	ug/l	NA	NA	NA	6,400	3,800
Selenium	10	NC	ug/l	NA	NA	NA	50 U	50 U
Silver	50	NC	ug/l	NA	NA	NA	10 U	10 U
Sodium	20,000	NC	ug/l	NA	NA	NA	**42,000**	**63,000**
Thallium	0.5	NC	ug/l	NA	NA	NA	50 UJ	50 U
Vanadium	NC	NC	ug/l	NA	NA	NA	13	9.9 J
Zinc	2,000	NC	ug/l	NA	NA	NA	10 U	4.7 J
Pesticides								
2,4,5-T	35	NC	ug/l	NA	NA	NA	0.097 U	0.1 U
2,4,5-TP (Silvex)	0.26	NC	ug/l	NA	NA	NA	0.049 U	**4 D**
2,4-D	50	NC	ug/l	NA	NA	NA	0.49 U	0.5 U
2,4-DB	NC	NC	ug/l	NA	NA	NA	0.49 U	0.5 U
4,4'-DDD	0.3	NC	ug/l	NA	NA	NA	0.04 U	0.04 U
4,4'-DDE	0.2	NC	ug/l	NA	NA	NA	0.04 U	0.04 U
4,4'-DDT	0.2	NC	ug/l	NA	NA	NA	0.04 U	0.04 U
Aldrin	0.0	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
alpha-BHC	0.01	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
alpha-Chlordane	0.05	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
beta-BHC	0.04	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
Dalapon	50	NC	ug/l	NA	NA	NA	1.2 UJ	1.2 UJ
delta-BHC	0.04	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
Dicamba	0.44	NC	ug/l	NA	NA	NA	0.049 U	0.039 J

Table 6
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Ciba-Geigy Landfill Sample Analytical Results

			Location ID	MW-4 QNSB-CBGY-MW-4	MW-5 QNSB-CBGY-MW-5	MW-6 QNSB-CBGY-MW-6	MW-7 QNSB-CBGY-MW-7	MW-9 QNSB-CBGY-MW-9
			Sample ID	22F1364-09	22F1364-08	22F1364-06	22F1364-07	22F1364-14
			Lab Sample ID	6/21/2022	6/21/2022	6/21/2022	6/21/2022	6/22/2022
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**NYSDEC GA Values**	**NYSDOH MCL**	**Unit**	**Results**				
Pesticides (cont.)								
Dichloroprop	NC	NC	ug/l	NA	NA	NA	0.49 U	0.5 U
Dieldrin	0.004	NC	ug/l	NA	NA	NA	0.002 U	0.002 U
Dinoseb	NC	NC	ug/l	NA	NA	NA	0.24 UJ	0.25 UJ
Endosulfan I	NC	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
Endosulfan II	NC	NC	ug/l	NA	NA	NA	0.08 U	0.08 U
Endosulfan sulfate	NC	NC	ug/l	NA	NA	NA	0.08 U	0.08 U
Endrin	0	NC	ug/l	NA	NA	NA	0.08 U	0.08 U
Endrin aldehyde	5	NC	ug/l	NA	NA	NA	0.08 U	0.08 U
Endrin ketone	5	NC	ug/l	NA	NA	NA	0.08 U	0.08 U
gamma-BHC (Lindane)	0.05	NC	ug/l	NA	NA	NA	0.03 U	0.03 U
gamma-Chlordane	0.05	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
Heptachlor	0.04	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
Heptachlor epoxide Heptachlor epoxide B	0.03	NC	ug/l	NA	NA	NA	0.05 U	0.05 U
MCPA	NC	NC	ug/l	NA	NA	NA	49 U	50 U
MCPP	NC	NC	ug/l	NA	NA	NA	49 U	50 U
Methoxychlor	35	NC	ug/l	NA	NA	NA	0.5 U	0.5 U
Toxaphene	0.06	NC	ug/l	NA	NA	NA	1 U	1 U
General Chemistry								
Cyanide	200	NC	ug/l	NA	NA	NA	500 U	10 U

Notes:

ug/l - micrograms per liter.
ng/l - nanograms per liter.

D - Dilution.
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.
NA - Not analyzed.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values shown in **bold** exceed the NYSDEC guidance value.
Values with gray shading exceed the NYSDOH MCL.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

Table 7
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Surface Water Analytical Results

			Location ID	WS-101		WS-102	WS-103
			Sample ID	QNSB-MPND-WS-101	QNSB-MPND-WS-DUP-01	QNSB-MPND-WS-102	QNSB-MPND-WS-103
			Lab Sample ID	22F0251-05	22F0251-08	22F0251-06	22F0251-07
			Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**NYSDOH MCL**	**NYSDEC Class A Type A(C)**	**Unit**	**Results**			
1,4-Dioxane							
1,4-Dioxane	1	18,000	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
PFAS							
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/l	1.8 UJ	1.6 UJ	1.9 UJ	1.8 UJ
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/l	1.8 UJ	1.6 UJ	1.9 UJ	1.8 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/l	0.33 J	0.32 J	0.34 J	0.29 J
Perfluorobutanoic acid (PFBA)	NC	NC	ng/l	1.4 J	1 J	1.9 U	0.79 J
Perfluorobutylsulfonamide	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/l	1.8 UJ	1.6 U	1.9 U	1.8 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 UJ
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	ng/l	0.63 J	0.58 J	0.67 J	0.6 J
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluorohexanesulfonamide	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/l	0.79 J	0.82 J	0.93 J	0.97 J
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 UJ
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/l	1.8 UJ	1.6 UJ	1.9 UJ	1.8 UJ
Perfluorooctane sulfonic acid (PFOS)	10	160,000	ng/l	1.8 U	1.6 U	0.59 J	1.8 U
Perfluorooctanoic acid (PFOA)	10	NC	ng/l	1.2 J	1.1 J	1.3 J	1.2 J
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/l	1.8 U	1.6 U	1.9 U	1.8 U
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/l	1.1 J	1 J	1.5 J	2.3
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/l	1.8 UJ	1.6 UJ	1.9 UJ	1.8 UJ
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/l	1.8 UJ	1.6 UJ	1.9 UJ	1.8 UJ
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/l	1.8 U	1.6 U	1.9 UJ	1.8 UJ

Table 7
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Surface Water Analytical Results

			Location ID	WS-101		WS-102	WS-103
			Sample ID	QNSB-MPND-WS-101	QNSB-MPND-WS-DUP-01	QNSB-MPND-WS-102	QNSB-MPND-WS-103
			Lab Sample ID	22F0251-05	22F0251-08	22F0251-06	22F0251-07
			Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**NYSDOH MCL**	**NYSDEC Class A Type A(C)**	**Unit**	**Results**			
PFAS (cont.)							
Total PFAS	NC	NC	ng/l	5.45	4.82	5.33	6.15
VOCs							
1,1,1-Trichloroethane	NC	5**	ug/l	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NC	0.2**	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	NC	1**	ug/l	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethane	NC	5**	ug/l	1 U	1 U	1 U	1 U
1,1-Dichloroethene	NC	0.7**	ug/l	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	NC	NC	ug/l	5 UJ	5 UJ	5 UJ	5 UJ
1,2,4-Trichlorobenzene	NC	NC	ug/l	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dibromo-3-chloropropane	NC	NC	ug/l	5 U	5 U	5 U	5 U
1,2-Dibromoethane	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2-Dichlorobenzene	NC	NC	ug/l	1 U	1 U	1 U	1 U
1,2-Dichloroethane	NC	NC	ug/l	1 U	1 U	1 U	1 U
1,2-Dichloropropane	NC	NC	ug/l	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	NC	5	ug/l	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	NC	5	ug/l	1 U	1 U	1 U	1 U
2-Butanone	NC	NC	ug/l	20 U	20 U	20 U	20 U
2-Hexanone	NC	NC	ug/l	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NC	NC	ug/l	10 U	10 U	10 U	10 U
Acetone	NC	NC	ug/l	3.7 J	3.8 J	3.6 J	3.4 J
Benzene	NC	210	ug/l	1 U	1 U	1 U	1 U
Bromochloromethane	NC	NC	ug/l	1 U	1 U	1 U	1 U
Bromodichloromethane	NC	NC	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Bromoform	NC	NC	ug/l	1 U	1 U	1 U	1 U
Bromomethane	NC	NC	ug/l	2 UJ	2 UJ	2 UJ	2 UJ
Carbon disulfide	NC	NC	ug/l	5 U	5 U	5 U	5 U
Carbon tetrachloride	NC	0.4**	ug/l	5 U	5 U	5 U	5 U
Chlorobenzene	NC	5	ug/l	1 U	1 U	1 U	1 U
Chloroethane	NC	5**	ug/l	2 U	2 U	2 U	2 U
Chloroform	NC	7**	ug/l	2 U	2 U	2 U	2 U
Chloromethane	NC	5**	ug/l	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	NC	5**	ug/l	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	NC	0.4**	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ

Table 7
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Surface Water Analytical Results

			Location ID	WS-101		WS-102	WS-103
			Sample ID	QNSB-MPND-WS-101	QNSB-MPND-WS-DUP-01	QNSB-MPND-WS-102	QNSB-MPND-WS-103
			Lab Sample ID	22F0251-05	22F0251-08	22F0251-06	22F0251-07
			Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**NYSDOH MCL**	**NYSDEC Class A Type A(C)**	**Unit**	**Results**			
VOCs (cont.)							
Cyclohexane	NC	NC	ug/l	5 U	5 U	5 U	5 U
Dibromochloromethane	NC	50**	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Dichlorodifluoromethane (Freon 12)	NC	5**	ug/l	2 U	2 U	2 U	2 U
Ethylbenzene	NC	17	ug/l	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	NC	2.6	ug/l	1 U	1 U	1 U	1 U
Methyl acetate	NC	NC	ug/l	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)	NC	10**	ug/l	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	NC	ug/l	1 U	1 U	1 U	1 U
Methylene chloride	NC	5**	ug/l	5 U	5 U	5 U	5 U
Styrene	NC	5**	ug/l	1 U	1 U	1 U	1 U
Tetrachloroethene	NC	0.7**	ug/l	1 U	1 U	1 U	1 U
Toluene	NC	100	ug/l	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	NC	5**	ug/l	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	NC	0.4**	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	NC	5**	ug/l	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	NC	5**	ug/l	2 U	2 U	2 U	2 U
Trichlorotrifluoroethane (Freon 113)	NC	5**	ug/l	1 U	1 U	1 U	1 U
Vinyl chloride	NC	0.3**	ug/l	2 U	2 U	2 U	2 U
Xylenes, total	NC	65	ug/l	1 U	1 U	1 U	1 U
SVOCs							
1,1'-Biphenyl	NC	5**	ug/l	21 UJ	20 U	NA	NA
1,2,4,5-Tetrachlorobenzene	NC	5**	ug/l	11 UJ	9.8 U	NA	NA
2,2'-Oxybis(1-chloropropane)	NC	5**	ug/l	11 UJ	9.8 U	NA	NA
2,4,5-Trichlorophenol	NC	NC	ug/l	11 U	9.8 U	NA	NA
2,4,6-Trichlorophenol	NC	NC	ug/l	11 U	9.8 U	NA	NA
2,4-Dichlorophenol	NC	5**	ug/l	11 U	9.8 U	NA	NA
2,4-Dimethylphenol	NC	50**	ug/l	11 UJ	9.8 UJ	NA	NA
2,4-Dinitrophenol	NC	10**	ug/l	11 U	9.8 U	NA	NA
2,4-Dinitrotoluene	NC	5**	ug/l	11 UJ	9.8 UJ	NA	NA
2,6-Dinitrotoluene	NC	0.07**	ug/l	11 UJ	9.8 UJ	NA	NA
2-Chloronaphthalene	NC	10**	ug/l	11 UJ	9.8 U	NA	NA
2-Chlorophenol	NC	NC	ug/l	11 U	9.8 U	NA	NA
2-Methylnaphthalene	NC	4.7	ug/l	5.3 UJ	4.9 UJ	NA	NA
2-Methylphenol	NC	NC	ug/l	11 U	9.8 U	NA	NA
2-Nitroaniline	NC	5**	ug/l	11 UJ	9.8 UJ	NA	NA
2-Nitrophenol	NC	NC	ug/l	11 UJ	9.8 U	NA	NA
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	ug/l	11 U	9.8 U	NA	NA

Table 7
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Surface Water Analytical Results

			Location ID	WS-101		WS-102	WS-103
			Sample ID	QNSB-MPND-WS-101	QNSB-MPND-WS-DUP-01	QNSB-MPND-WS-102	QNSB-MPND-WS-103
			Lab Sample ID	22F0251-05	22F0251-08	22F0251-06	22F0251-07
			Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**NYSDOH MCL**	**NYSDEC Class A Type A(C)**	**Unit**	**Results**			
SVOCs (cont.)							
3,3'-Dichlorobenzidine	NC	5**	ug/l	11 U	9.8 U	NA	NA
3-Nitroaniline	NC	5**	ug/l	11 U	9.8 U	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	ug/l	11 U	9.8 U	NA	NA
4-Bromophenyl phenyl ether	NC	NC	ug/l	11 U	9.8 U	NA	NA
4-Chloro-3-methylphenol	NC	NC	ug/l	11 UJ	9.8 UJ	NA	NA
4-Chloroaniline	NC	5**	ug/l	11 U	9.8 U	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	ug/l	11 U	9.8 U	NA	NA
4-Nitroaniline	NC	5**	ug/l	11 U	9.8 U	NA	NA
4-Nitrophenol	NC	NC	ug/l	11 U	9.8 U	NA	NA
Acenaphthene	NC	5.3	ug/l	5.3 UJ	4.9 UJ	NA	NA
Acenaphthylene	NC	NC	ug/l	5.3 UJ	4.9 UJ	NA	NA
Acetophenone	NC	NC	ug/l	11 U	9.8 U	NA	NA
Anthracene	NC	3.8	ug/l	5.3 U	4.9 U	NA	NA
Atrazine	NC	3**	ug/l	21 UJ	20 UJ	NA	NA
Benzaldehyde	NC	NC	ug/l	11 UJ	9.8 U	NA	NA
Benzo(a)anthracene	NC	0.03	ug/l	5.3 U	4.9 U	NA	NA
Benzo(a)pyrene	NC	0.002**	ug/l	5.3 U	4.9 U	NA	NA
Benzo(b)fluoranthene	NC	0.002**	ug/l	5.3 UJ	4.9 UJ	NA	NA
Benzo(g,h,i)perylene	NC	NC	ug/l	5.3 UJ	4.9 UJ	NA	NA
Benzo(k)fluoranthene	NC	0.002**	ug/l	5.3 UJ	4.9 UJ	NA	NA
Bis(2-chloroethoxy)methane	NC	5*	ug/l	11 U	9.8 U	NA	NA
Bis(2-chloroethyl) ether	NC	0.03**	ug/l	11 U	9.8 U	NA	NA
Bis(2-ethylhexyl)phthalate	NC	0.6	ug/l	11 U	9.8 U	NA	NA
Butylbenzylphthalate	NC	50**	ug/l	11 U	9.8 U	NA	NA
Caprolactam	NC	NC	ug/l	11 UJ	9.8 UJ	NA	NA
Carbazole	NC	NC	ug/l	11 U	9.8 U	NA	NA
Chrysene	NC	0.002**	ug/l	5.3 U	4.9 U	NA	NA
Dibenz(a,h)anthracene	NC	NC	ug/l	5.3 U	4.9 U	NA	NA
Dibenzofuran	NC	NC	ug/l	5.3 UJ	4.9 UJ	NA	NA
Diethyl phthalate	NC	50**	ug/l	11 U	9.8 U	NA	NA
Dimethylphthalate	NC	50**	ug/l	11 U	9.8 U	NA	NA
Di-n-butylphthalate	NC	50**	ug/l	11 U	9.8 U	NA	NA
Di-n-octylphthalate	NC	50**	ug/l	11 UJ	9.8 UJ	NA	NA
Fluoranthene	NC	50**	ug/l	5.3 U	4.9 U	NA	NA
Fluorene	NC	0.54	ug/l	5.3 U	4.9 U	NA	NA
Hexachlorobenzene	NC	0.04**	ug/l	11 U	9.8 U	NA	NA
Hexachlorobutadiene	NC	1.0	ug/l	11 UJ	9.8 UJ	NA	NA
Hexachlorocyclopentadiene	NC	0.45	ug/l	R	9.8 UJ	NA	NA
Hexachloroethane	NC	5**	ug/l	11 UJ	9.8 UJ	NA	NA

Table 7
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Surface Water Analytical Results

			Location ID	WS-101		WS-102	WS-103
			Sample ID	QNSB-MPND-WS-101	QNSB-MPND-WS-DUP-01	QNSB-MPND-WS-102	QNSB-MPND-WS-103
			Lab Sample ID	22F0251-05	22F0251-08	22F0251-06	22F0251-07
			Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**NYSDOH MCL**	**NYSDEC Class A Type A(C)**	**Unit**	**Results**			
SVOCs (cont.)							
Indeno(1,2,3-cd)pyrene	NC	0.002**	ug/l	5.3 U	4.9 U	NA	NA
Isophorone	NC	50**	ug/l	11 U	9.8 U	NA	NA
Naphthalene	NC	13	ug/l	5.3 UJ	4.9 U	NA	NA
Nitrobenzene	NC	0.4**	ug/l	11 U	9.8 U	NA	NA
n-Nitroso-di-n-propylamine	NC	NC	ug/l	11 U	9.8 U	NA	NA
N-Nitrosodiphenylamine	NC	50**	ug/l	11 U	9.8 U	NA	NA
Pentachlorophenol	NC	NC	ug/l	11 U	9.8 U	NA	NA
Phenanthrene	NC	5.0	ug/l	5.3 U	4.9 U	NA	NA
Phenol	NC	NC	ug/l	11 U	9.8 U	NA	NA
Pyrene	NC	4.6	ug/l	5.3 U	4.9 U	NA	NA
PCBs							
Aroclor-1016	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Aroclor-1221	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Aroclor-1232	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Aroclor-1242	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Aroclor-1248	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Aroclor-1254	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Aroclor-1260	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Aroclor-1262	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Aroclor-1268	NC	NC	ug/l	0.2 U	0.2 U	NA	NA
Total PCBs	NC	0.09	ug/l	--	--	NA	NA
Metals							
Aluminum	NC	100	ug/l	50 U	50 U	NA	NA
Antimony	NC	3**	ug/l	50 U	50 U	NA	NA
Arsenic	NC	150	ug/l	10 U	10 U	NA	NA
Barium	NC	1,000**	ug/l	57	64 J	NA	NA
Beryllium	NC	3**	ug/l	4 U	4 U	NA	NA
Cadmium	NC	5**	ug/l	4 U	4 U	NA	NA
Calcium	NC	NC	ug/l	71,000	77,000	NA	NA
Chromium	NC	50	ug/l	10 U	10 UJ	NA	NA
Cobalt	NC	5	ug/l	10 U	10 U	NA	NA
Copper	NC	200	ug/l	10 U	10 U	NA	NA
Iron	NC	300	ug/l	260 JH	270 JH	NA	NA
Lead	NC	25	ug/l	10 U	10 U	NA	NA
Magnesium	NC	35,000**	ug/l	23,000 JH	25,000 JH	NA	NA
Manganese	NC	300*	ug/l	140 JH	240	NA	NA
Mercury	NC	0.77	ug/l	0.1 U	0.1 U	NA	NA

Table 7
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Surface Water Analytical Results

			Location ID	WS-101		WS-102	WS-103
			Sample ID	QNSB-MPND-WS-101	QNSB-MPND-WS-DUP-01	QNSB-MPND-WS-102	QNSB-MPND-WS-103
			Lab Sample ID	22F0251-05	22F0251-08	22F0251-06	22F0251-07
			Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**NYSDOH MCL**	**NYSDEC Class A Type A(C)**	**Unit**	**Results**			
Metals (cont.)							
Nickel	NC	100	ug/l	10 U	10 U	NA	NA
Potassium	NC	NC	ug/l	1,800 J	1,900 J	NA	NA
Selenium	NC	4.6	ug/l	50 U	50 U	NA	NA
Silver	NC	0.1	ug/l	10 U	10 U	NA	NA
Sodium	NC	20,000*	ug/l	15,000	16,000	NA	NA
Thallium	NC	8	ug/l	50 U	50 U	NA	NA
Vanadium	NC	14	ug/l	5.4 J	3.3 J	NA	NA
Zinc	NC	2,000	ug/l	4.7 J	5.5 J	NA	NA
Pesticides							
2,4,5-T	NC	NC	ug/l	0.1 U	0.1 U	NA	NA
2,4,5-TP (Silvex)	NC	10**	ug/l	0.052 UJ	0.051 UJ	NA	NA
2,4-D	NC	50**	ug/l	0.52 U	0.51 U	NA	NA
2,4-DB	NC	NC	ug/l	0.52 U	0.51 U	NA	NA
4,4'-DDD	NC	0.3**	ug/l	0.039 U	0.04 U	NA	NA
4,4'-DDE	NC	0.2**	ug/l	0.039 U	0.04 U	NA	NA
4,4'-DDT	NC	0.2**	ug/l	0.039 U	0.04 U	NA	NA
Aldrin	NC	0.002**	ug/l	0.049 U	0.05 U	NA	NA
alpha-BHC	NC	0.01**	ug/l	0.049 U	0.05 U	NA	NA
alpha-Chlordane	NC	0.05**	ug/l	0.049 U	0.05 U	NA	NA
beta-BHC	NC	0.04**	ug/l	0.049 U	0.05 U	NA	NA
Dalapon	NC	50**	ug/l	1.3 UJ	1.3 UJ	NA	NA
delta-BHC	NC	0.04**	ug/l	0.049 U	0.05 U	NA	NA
Dicamba	NC	0.44*	ug/l	0.052 U	0.051 U	NA	NA
Dichloroprop	NC	NC	ug/l	0.52 U	0.51 U	NA	NA
Dieldrin	NC	0.056	ug/l	0.002 U	0.002 U	NA	NA
Dinoseb	NC	1**	ug/l	0.26 U	0.26 U	NA	NA
Endosulfan I	NC	NC	ug/l	0.049 U	0.05 U	NA	NA
Endosulfan II	NC	NC	ug/l	0.078 U	0.08 U	NA	NA
Endosulfan sulfate	NC	NC	ug/l	0.078 U	0.08 U	NA	NA
Endrin	NC	0.036	ug/l	0.078 U	0.08 U	NA	NA
Endrin aldehyde	NC	5**	ug/l	0.078 U	0.08 U	NA	NA
Endrin ketone	NC	5**	ug/l	0.078 U	0.08 U	NA	NA
gamma-BHC (Lindane)	NC	0.05**	ug/l	0.029 U	0.03 U	NA	NA
gamma-Chlordane	NC	0.05**	ug/l	0.049 U	0.05 U	NA	NA
Heptachlor	NC	0.04**	ug/l	0.049 U	0.05 U	NA	NA

Table 7
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Surface Water Analytical Results

			Location ID	WS-101		WS-102	WS-103
			Sample ID	QNSB-MPND-WS-101	QNSB-MPND-WS-DUP-01	QNSB-MPND-WS-102	QNSB-MPND-WS-103
			Lab Sample ID	22F0251-05	22F0251-08	22F0251-06	22F0251-07
			Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**NYSDOH MCL**	**NYSDEC Class A Type A(C)**	**Unit**	**Results**			
Pesticides (cont.)							
Heptachlor epoxide Heptachlor epoxide B	NC	0.03**	ug/l	0.049 U	0.05 U	NA	NA
MCPA	NC	NC	ug/l	52 U	51 U	NA	NA
MCPP	NC	NC	ug/l	52 U	51 U	NA	NA
Methoxychlor	NC	0.03	ug/l	0.49 U	0.5 U	NA	NA
Toxaphene	NC	0.005	ug/l	0.98 U	1 U	NA	NA
General Chemistry							
Cyanide	NC	5.2	ug/l	4.8 J	10 U	NA	NA

Notes:
ng/l - Nanograms per liter.
ug/l - Micrograms per liter.

H - Sample was prepped or analyzed beyond the required holding time.
J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCB - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
SVOCs - Semi-volatile organic compounds.
VOCs - Volatile organic compounds.

NYSDEC Class A Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class A water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.
** No NYSDEC Class A Type A(C) Value available, Type H(WS) Value used instead.

Table 8
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Sediment Analytical Results

				Location ID	SE-101	SE-101	SE-102	SE-103
				Sample ID	QNSB-MPND-SE-101	QNSB-MPND-SE-DUP-01	QNSB-MPND-SE-102	QNSB-MPND-SE-103
				Lab Sample ID	22F0251-01	22F0251-04	22F0251-02	22F0251-03
				Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**Class A**	**Class B**	**Class C**	**Unit**	**Results**			
1,4-Dioxane								
1,4-Dioxane	NC	NC	NC	ug/kg	29 J	57 J	78	300 U
PFAS								
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorobutanoic acid (PFBA)	NC	NC	NC	ug/kg	1.5 U	1.2 J	1.4 J	20 U
Perfluorobutylsulfonamide	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorodecane sulfonic acid (PFDS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorodecanoic acid (PFDA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorododecanoic acid (PFDoA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorohexanesulfonamide	NC	NC	NC	ug/kg	1.5 UJ	3 UJ	5.7 UJ	20 UJ
Perfluorohexanoic acid (PFHxA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorononane sulfonic acid (PFNS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorononanoic acid (PFNA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorooctane sulfonic acid (PFOS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorooctanoic acid (PFOA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoropentanoic acid (PFPeA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorotetradecanoic acid (PFTA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	NC	ug/kg	1.5 U	3 U	5.7 U	20 U
Total PFAS	NC	NC	NC	ug/kg	--	1.2	1.4	--
VOCs								
1,1,1-Trichloroethane	NC	NC	NC	ug/kg	4.5 U	8.1 U	460 U	44 U
1,1,2,2-Tetrachloroethane	< 2,800	2,800 – 5,400	> 5,400	ug/kg	2.3 U	4 U	230 U	22 U
1,1,2-Trichloroethane	NC	NC	NC	ug/kg	4.5 UJ	8.1 UJ	460 UJ	44 UJ
1,1-Dichloroethane	NC	NC	NC	ug/kg	4.5 U	8.1 U	460 U	44 U

Table 8
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Sediment Analytical Results

				Location ID	SE-101	SE-101	SE-102	SE-103
				Sample ID	QNSB-MPND-SE-101	QNSB-MPND-SE-DUP-01	QNSB-MPND-SE-102	QNSB-MPND-SE-103
				Lab Sample ID	22F0251-01	22F0251-04	22F0251-02	22F0251-03
				Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**Class A**	**Class B**	**Class C**	**Unit**	**Results**			
VOCs (cont.)								
1,1-Dichloroethene	< 520	520 – 4,700	> 4,700	ug/kg	9.1 U	16 U	460 U	89 U
1,2,3-Trichlorobenzene	< 230	230 - 2,800	> 2,800	ug/kg	4.5 U	8.1 U	2,300 UJ	44 U
1,2,4-Trichlorobenzene	< 35,000	35,000 – 55,000	> 55,000	ug/kg	4.5 U	8.1 U	460 UJ	44 U
1,2-Dibromo-3-chloropropane	NC	NC	NC	ug/kg	4.5 U	8.1 U	2,300 U	44 U
1,2-Dibromoethane	NC	NC	NC	ug/kg	2.3 UJ	4 UJ	230 UJ	22 UJ
1,2-Dichlorobenzene	< 280	280 – 2,500	2500	ug/kg	4.5 U	8.1 U	460 U	44 U
1,2-Dichloroethane	NC	NC	NC	ug/kg	4.5 U	8.1 U	460 U	44 U
1,2-Dichloropropane	NC	NC	NC	ug/kg	4.5 UJ	8.1 UJ	460 U	44 UJ
1,3-Dichlorobenzene	< 1,800	1,800 – 7,100	> 7,100	ug/kg	4.5 U	8.1 U	460 U	44 U
1,4-Dichlorobenzene	< 720	720 – 3,300	> 3,300	ug/kg	4.5 U	8.1 U	460 U	44 U
1,4-Dioxane	NC	NC	NC	ug/kg	230 U	400 U	23,000 UJ	2,200 U
2-Butanone	NC	NC	NC	ug/kg	27 J	43 J	9,300 U	890 U
2-Hexanone	NC	NC	NC	ug/kg	45 U	81 U	4,600 U	440 U
4-Methyl-2-pentanone	NC	NC	NC	ug/kg	45 U	81 U	4,600 U	440 U
Acetone	NC	NC	NC	ug/kg	97 J	160 J	23,000 U	330 J
Benzene	< 530	530 – 1,900	>1,900	ug/kg	4.5 U	8.1 U	460 U	44 U
Bromochloromethane	NC	NC	NC	ug/kg	4.5 U	8.1 U	460 UJ	44 U
Bromodichloromethane	NC	NC	NC	ug/kg	4.5 UJ	8.1 UJ	460 UJ	44 UJ
Bromoform	NC	NC	NC	ug/kg	4.5 U	8.1 U	460 UJ	44 U
Bromomethane	NC	NC	NC	ug/kg	23 UJ	40 UJ	930 UJ	220 UJ
Carbon disulfide	NC	NC	NC	ug/kg	23 U	40 U	2,300 U	220 U
Carbon tetrachloride	<1,070	1,070-9,600	>9,600	ug/kg	4.5 U	8.1 U	460 U	44 U
Chlorobenzene	< 200	200 – 1,700	> 1,700	ug/kg	4.5 U	8.1 U	460 U	44 U
Chloroethane	NC	NC	NC	ug/kg	45 U	81 U	930 U	440 U
Chloroform	NC	NC	NC	ug/kg	9.1 U	16 U	930 U	89 U
Chloromethane	NC	NC	NC	ug/kg	23 U	40 U	930 UJ	220 U
cis-1,2-Dichloroethene	NC	NC	NC	ug/kg	4.5 U	8.1 U	460 U	44 U
cis-1,3-Dichloropropene	NC	NC	NC	ug/kg	2.3 UJ	4 UJ	230 UJ	22 UJ
Cyclohexane	NC	NC	NC	ug/kg	23 U	40 U	930 U	220 U
Dibromochloromethane	NC	NC	NC	ug/kg	2.3 UJ	4 UJ	230 UJ	22 UJ
Dichlorodifluoromethane (Freon 12)	NC	NC	NC	ug/kg	45 U	81 U	930 U	440 U
Ethylbenzene	< 430	430 – 3,700	> 3,700	ug/kg	4.5 U	8.1 U	460 U	44 U
Isopropylbenzene (Cumene)	< 210	210 – 1,800	> 1,800	ug/kg	4.5 U	8.1 U	460 U	44 U
Methyl acetate	NC	NC	NC	ug/kg	4.5 U	8.1 U	1,400 J	44 U
Methyl tert-butyl ether (MTBE)	NC	NC	NC	ug/kg	9.1 U	16 U	460 U	89 U
Methylcyclohexane	NC	NC	NC	ug/kg	4.5 U	8.1 U	460 U	44 U
Methylene chloride	NC	NC	NC	ug/kg	45 U	81 U	2,300 U	440 U
Styrene	NC	NC	NC	ug/kg	4.5 U	8.1 U	460 U	44 U
Tetrachloroethene	< 16,000	16,000 – 57,000	> 57,000	ug/kg	4.5 U	8.1 U	460 U	44 U
Toluene	< 930	930 – 4,500	> 4,500	ug/kg	4.5 U	8.1 U	460 U	44 U
trans-1,2-Dichloroethene	< 1,200	1,200 – 11,000	> 11,000	ug/kg	4.5 U	8.1 U	460 U	44 U
trans-1,3-Dichloropropene	NC	NC	NC	ug/kg	2.3 U	4 U	230 U	22 U

Table 8
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Sediment Analytical Results

				Location ID	SE-101	SE-101	SE-102	SE-103
				Sample ID	QNSB-MPND-SE-101	QNSB-MPND-SE-DUP-01	QNSB-MPND-SE-102	QNSB-MPND-SE-103
				Lab Sample ID	22F0251-01	22F0251-04	22F0251-02	22F0251-03
				Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**Class A**	**Class B**	**Class C**	**Unit**	**Results**			
VOCs (cont.)								
Trichloroethene	< 1,800	1,800 – 8,600	> 8,600	ug/kg	4.5 U	8.1 U	460 U	44 U
Trichlorofluoromethane (Freon 11)	NC	NC	NC	ug/kg	23 U	40 U	930 U	220 U
Trichlorotrifluoroethane (Freon 113)	NC	NC	NC	ug/kg	23 U	40 U	460 U	220 U
Vinyl chloride	NC	NC	NC	ug/kg	23 U	40 U	930 UJ	220 U
Xylenes, total[3]	< 590	590 – 5,200	> 5,200	ug/kg	4.5 U	8.1 U	1,390 U	44 U
SVOCs								
1,1'-Biphenyl	NC	NC	NC	ug/kg	2,700 U	2,400 U	NA	NA
1,2,4,5-Tetrachlorobenzene	< 3,000	3,000 – 14,000	> 14,000	ug/kg	1,300 U	1,200 U	NA	NA
2,2'-Oxybis(1-chloropropane)	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
2,4,5-Trichlorophenol	NC	NC	NC	ug/kg	1,300 UJ	1,200 U	NA	NA
2,4,6-Trichlorophenol	NC	NC	NC	ug/kg	1,300 UJ	1,200 U	NA	NA
2,4-Dichlorophenol	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
2,4-Dimethylphenol	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
2,4-Dinitrophenol	NC	NC	NC	ug/kg	2,600 UJ	2,400 U	NA	NA
2,4-Dinitrotoluene	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
2,6-Dinitrotoluene	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
2-Chloronaphthalene	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
2-Chlorophenol	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
2-Methylnaphthalene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
2-Methylphenol	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
2-Nitroaniline	NC	NC	NC	ug/kg	1,300 UJ	1,200 UJ	NA	NA
2-Nitrophenol	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ug/kg	R	610 U	NA	NA
3-Nitroaniline	NC	NC	NC	ug/kg	1,300 UJ	1,200 U	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	NC	ug/kg	1,300 UJ	1,200 U	NA	NA
4-Bromophenyl phenyl ether	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
4-Chloro-3-methylphenol	NC	NC	NC	ug/kg	2,600 U	2400 U	NA	NA
4-Chloroaniline	NC	NC	NC	ug/kg	2,600 UJ	2400 U	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
4-Nitroaniline	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
4-Nitrophenol	NC	NC	NC	ug/kg	2,600 UJ	2,400 U	NA	NA
Acenaphthene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Acenaphthylene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Acetophenone	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Anthracene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Atrazine	NC	NC	NC	ug/kg	2,700 U	2,400 U	NA	NA
Benzaldehyde	NC	NC	NC	ug/kg	160 J	1,200 U	NA	NA
Benzo(a)anthracene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Benzo(a)pyrene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Benzo(b)fluoranthene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Benzo(g,h,i)perylene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA

Table 8
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Sediment Analytical Results

				Location ID	SE-101	SE-101	SE-102	SE-103
				Sample ID	QNSB-MPND-SE-101	QNSB-MPND-SE-DUP-01	QNSB-MPND-SE-102	QNSB-MPND-SE-103
				Lab Sample ID	22F0251-01	22F0251-04	22F0251-02	22F0251-03
				Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**Class A**	**Class B**	**Class C**	**Unit**	**Results**			
SVOCs (cont.)								
Benzo(k)fluoranthene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Bis(2-chloroethyl) ether	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Bis(2-ethylhexyl)phthalate	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Butylbenzylphthalate	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Caprolactam	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Carbazole	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Chrysene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Dibenz(a,h)anthracene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Dibenzofuran	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Diethyl phthalate	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Dimethylphthalate	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Di-n-butylphthalate	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Di-n-octylphthalate	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Fluoranthene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Fluorene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Hexachlorobenzene	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Hexachlorobutadiene	<1,200	1,200 – 12,000	> 12,000	ug/kg	1,300 U	1,200 U	NA	NA
Hexachlorocyclopentadiene	< 810	810 – 8,100	> 8,100	ug/kg	R	1,200 UJ	NA	NA
Hexachloroethane	NC	NC	NC	ug/kg	1,300 UJ	1,200 U	NA	NA
Indeno(1,2,3-cd)pyrene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Isophorone	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Naphthalene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Nitrobenzene	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
n-Nitroso-di-n-propylamine	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
N-Nitrosodiphenylamine	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Pentachlorophenol	< 14,000	14,000 – 19,000	> 19,000	ug/kg	1,300 UJ	1,200 U	NA	NA
Phenanthrene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
Phenol	NC	NC	NC	ug/kg	1,300 U	1,200 U	NA	NA
Pyrene	NC	NC	NC	ug/kg	670 U	610 U	NA	NA
PCBs								
Aroclor-1016	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Aroclor-1221	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Aroclor-1232	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Aroclor-1242	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Aroclor-1248	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Aroclor-1254	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Aroclor-1260	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Aroclor-1262	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Aroclor-1268	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Total PCBs	< 100	100-1,000	> 1,000	ug/kg	--	--	--	--
Metals								
Aluminum	NC	NC	NC	mg/kg	9,800	9,100 J	NA	NA

Table 8
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Sediment Analytical Results

				Location ID	SE-101	SE-101	SE-102	SE-103
				Sample ID	QNSB-MPND-SE-101	QNSB-MPND-SE-DUP-01	QNSB-MPND-SE-102	QNSB-MPND-SE-103
				Lab Sample ID	22F0251-01	22F0251-04	22F0251-02	22F0251-03
				Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**Class A**	**Class B**	**Class C**	**Unit**	**Results**			
Metals (cont.)								
Antimony	NC	NC	NC	mg/kg	6.6 UJ	5.6 UJ	NA	NA
Arsenic	< 10	10 – 33	> 33	mg/kg	8.9 J	4.7 J	NA	NA
Barium	NC	NC	NC	mg/kg	70	130	NA	NA
Beryllium	NC	NC	NC	mg/kg	0.66 U	0.56 UJ	NA	NA
Cadmium	< 1	1 – 5	> 5	mg/kg	1.3 U	1.1 UJ	NA	NA
Calcium	NC	NC	NC	mg/kg	150,000 D	240,000 D	NA	NA
Chromium	< 43	43 – 110	> 110	mg/kg	14	15	NA	NA
Cobalt	NC	NC	NC	mg/kg	6.4 J	5.7	NA	NA
Copper	< 32	32 – 150	> 150	mg/kg	24 JH	17 JH	NA	NA
Iron	NC	NC	NC	mg/kg	23,000 D	21,000 D	NA	NA
Lead	< 36	36 – 130	> 130	mg/kg	21 JH	6.5 JH	NA	NA
Magnesium	NC	NC	NC	mg/kg	28,000 D	6,500	NA	NA
Manganese	NC	NC	NC	mg/kg	330	350	NA	NA
Mercury	< 0.2	0.2 – 1	> 1	mg/kg	0.12	0.079 J	NA	NA
Nickel	< 23	23 – 49	> 49	mg/kg	14	12	NA	NA
Potassium	NC	NC	NC	mg/kg	1,500	1,700	NA	NA
Selenium	NC	NC	NC	mg/kg	13 U	11 U	NA	NA
Silver	< 1	1 – 2.2	> 2.2	mg/kg	1.3 U	1.1 U	NA	NA
Sodium	NC	NC	NC	mg/kg	180 J	290 J	NA	NA
Thallium	NC	NC	NC	mg/kg	6.6 U	5.6 U	NA	NA
Vanadium	NC	NC	NC	mg/kg	26	17	NA	NA
Zinc	< 120	120 – 460	> 460	mg/kg	65 JH	53 JH	NA	NA
Pesticides								
2,4,5-T	NC	NC	NC	ug/kg	40 U	89 U	NA	NA
2,4,5-TP (Silvex)	NC	NC	NC	ug/kg	40 U	89 U	NA	NA
2,4-D	NC	NC	NC	ug/kg	400 U	890 U	NA	NA
2,4-DB	NC	NC	NC	ug/kg	400 U	890 U	NA	NA
4,4'-DDD	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
4,4'-DDE	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
4,4'-DDT	NC	NC	NC	ug/kg	320 U	290 U	NA	NA
Alachlor	NC	NC	NC	ug/kg	1,600 U	1,400 U	NA	NA
Aldrin	NC	NC	NC	ug/kg	400 U	360 U	NA	NA
alpha-BHC	NC	NC	NC	ug/kg	400 U	360 U	NA	NA
alpha-Chlordane	NC	NC	NC	ug/kg	400 U	360 U	NA	NA
beta-BHC	NC	NC	NC	ug/kg	400 U	360 U	NA	NA
Dalapon	NC	NC	NC	ug/kg	990 UJ	2,200 UJ	NA	NA
delta-BHC	NC	NC	NC	ug/kg	400 U	360 U	NA	NA
Dicamba	< 180	180 – 13,000	> 13,000	ug/kg	40 U	89 U	NA	NA
Dichloroprop	NC	NC	NC	ug/kg	400 U	890 U	NA	NA
Dieldrin	< 180	180 – 780	> 780	ug/kg	320 U	290 U	NA	NA
Dinoseb	NC	NC	NC	ug/kg	200 U	450 U	NA	NA
Endosulfan I[1]	< 1	1 – 20	> 20	ug/kg	400 U	360 U	NA	NA

Table 8
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Mud Pond Sediment Analytical Results

				Location ID	SE-101	SE-101	SE-102	SE-103
				Sample ID	QNSB-MPND-SE-101	QNSB-MPND-SE-DUP-01	QNSB-MPND-SE-102	QNSB-MPND-SE-103
				Lab Sample ID	22F0251-01	22F0251-04	22F0251-02	22F0251-03
				Sample Date	6/2/2022	6/2/2022	6/2/2022	6/2/2022
Analyte	**Class A**	**Class B**	**Class C**	**Unit**	**Results**			
Pesticides (cont.)								
Endosulfan II[1]	< 1	1 – 20	> 20	ug/kg	630 U	570 U	NA	NA
Endosulfan sulfate[1]	< 1	1 – 20	> 20	ug/kg	630 U	570 U	NA	NA
Endrin	< 90	90 – 220	> 220	ug/kg	630 U	570 U	NA	NA
Endrin aldehyde[2]	< 90	90 – 220	> 220	ug/kg	630 U	570 U	NA	NA
Endrin ketone[2]	< 90	90 – 220	> 220	ug/kg	630 U	570 U	NA	NA
gamma-BHC (Lindane)	NC	NC	NC	ug/kg	160 U	140 U	NA	NA
gamma-Chlordane	NC	NC	NC	ug/kg	400 U	360 U	NA	NA
Heptachlor	< 75	75-10,000	> 10,000	ug/kg	400 U	360 U	NA	NA
Heptachlor epoxide Heptachlor epoxide B	NC	NC	NC	ug/kg	400 U	360 U	NA	NA
MCPA	NC	NC	NC	ug/kg	40,000 UJ	89,000 U	NA	NA
MCPP	NC	NC	NC	ug/kg	40,000 U	89,000 U	NA	NA
Methoxychlor	< 59	> 59	0	ug/kg	4,000 U	3,600 U	NA	NA
Toxaphene	< 6	6 – 250	> 250	ug/kg	7,900 U	7,100 U	NA	NA
General Chemistry								
Cyanide	NC	NC	NC	ug/kg	1,800 U	1,700 U	NA	NA

Notes:

mg/kg - Milligrams per kilogram.
ug/kg - Micrograms per kilogram.

D - Dilution.
H - Sample was prepped or analyzed beyond the required holding time.
J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

Classes A, B, C - NYSDEC Screening Assessment of Contaminated Sediment - April 2014, Table 5. Freshwater Sediment Guidance Values
Class A sediments are considered to be of low risk to aquatic life.
Class B sediments are slightly to moderately contaminated and additional testing is required to evaluate the potential risks to aquatic life.
Class C sediments are considered to be highly contaminated and likely to pose a risk to aquatic life.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
SVOCs - Semi-volatile organic compounds.
VOCs - Volatile organic compounds.

[1] - Screening value for Endosulfan applied
[2] - Screening value for Endrin applied
[3] - Screening value for Xylene, isomer unspecified

NA - Not analyzed.
NC - No screening value exists for this analyte.

Table 9
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site Subsurface Soil Sample Analytical Results

			Location ID	BMW-101		BMW-102		MW-101	MW-102	MW-103	
			Sample ID	QNSB-BMW-101 (114-115)	QNSB-BMW-101 (194-195)	QNSB-BMW-102 (59-60)	QNSB-BMW-102 (76-77)	QNSB-MW-101	QNSB-MW-102 (115-116)	QNSB-MW-103 (33-34)	DUP-02
			Lab Sample ID	480-214046-1/ 480-214219-1	480-214046-2/ 480-214219-2	480-214221-1	480-214221-2	480-214912-2	480-214692-1	480-214614-1	480-214614-2
			Sample Date	10/22/2023	10/22/2023	10/24/2023	10/24/2023	11/13/2023	11/8/2023	11/6/2023	11/6/2023
			Sample Depth (feet bgs)	114-115	194-195	59-60	76-77	85-86	115-116	33-34	33-34
Analyte	**UUSCO**	**Unit**		**Results**							
1,4-Dioxane											
1,4-Dioxane	0.1	mg/kg		0.085 U	0.071 U	0.078 U	0.074 U	0.087 U	0.08 U	0.074 U	0.071 U
PFAS											
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	ug/kg		0.99 U	1.0 U	0.96 U	0.86 U	1.1 U	0.96 U	0.88 U	0.88 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	ug/kg		6.2 U	6.4 U	6.0 U	5.4 U	6.6 U	6.0 U	5.5 U	5.5 U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	ug/kg		1.2 U	1.3 U	1.2 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	ug/kg		6.2 U	6.4 U	6.0 U	5.4 U	6.6 U	6.0 U	5.5 U	5.5 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	ug/kg		0.99 U	1.0 U	0.96 U	0.86 U	1.1 U	0.96 U	0.88 U	0.88 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	ug/kg		0.99 U	1.0 U	0.96 U	0.86 U	1.1 U	0.96 U	0.88 U	0.88 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	ug/kg		0.99 U	1.0 U	0.96 U	0.86 U	1.1 U	0.96 U	0.88 U	0.88 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	ug/kg		0.99 U	1.0 U	0.96 U	0.86 U	1.1 U	0.96 U	0.88 U	0.88 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	ug/kg		0.99 U	1.0 U	0.96 U	0.86 U	1.1 U	0.96 U	0.88 U	0.88 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	ug/kg		2.5 U	2.5 U	2.4 U	2.1 U	2.6 U	2.4 U	2.2 U	2.2 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	ug/kg		2.5 U	2.5 U	2.4 U	2.1 U	2.6 U	2.4 U	2.2 U	2.2 U
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	ug/kg		0.5 U	0.51 U	0.48 U	0.43 U	0.53 U	0.48 U	0.44 U	0.44 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	ug/kg		0.99 U	1.0 U	0.96 U	0.86 U	1.1 U	0.96 U	0.88 U	0.88 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	ug/kg		0.5 UJ	0.51 UJ	0.48 UJ	0.43 UJ	0.53 UJ	0.48 UJ	0.44 UJ	0.44 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	ug/kg		0.5 U	0.51 U	0.48 U	0.43 U	0.53 U	0.48 U	0.44 U	0.44 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	ug/kg		0.5 U	0.51 U	0.48 U	0.43 U	0.53 U	0.48 U	0.44 U	0.44 U
Perfluorobutane sulfonic acid (PFBS)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorobutanoic acid (PFBA)	NC	ug/kg		0.99 U	1.0 U	0.96 U	0.86 U	1.1 U	0.96 U	0.88 U	0.88 U
Perfluorodecane sulfonic acid (PFDS)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorodecanoic acid (PFDA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorododecane sulfonic acid (PFDoS)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorododecanoic acid (PFDoA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluoroheptanoic acid (PFHpA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorohexane sulfonic acid (PFHxS)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorohexanoic acid (PFHxA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorononane sulfonic acid (PFNS)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorononanoic acid (PFNA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorooctane sulfonamide (PFOSA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.058 J	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorooctane sulfonic acid (PFOS)	0.88	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorooctanoic acid (PFOA)	0.66	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluoropentane sulfonic acid (PFPeS)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluoropentanoic acid (PFPeA)	NC	ug/kg		0.5 U	0.51 U	0.48 U	0.43 U	0.53 U	0.48 U	0.44 U	0.44 U
Perfluorotetradecanoic acid (PFTA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluorotridecanoic acid (PFTrDA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Perfluoroundecanoic acid (PFUnA)	NC	ug/kg		0.25 U	0.25 U	0.24 U	0.21 U	0.26 U	0.24 U	0.22 U	0.22 U
Total PFAS	NC	ug/kg		--	--	--	0.058 J	--	--	--	--

Table 9
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site Subsurface Soil Sample Analytical Results

		Location ID	BMW-101		BMW-102		MW-101	MW-102	MW-103	
		Sample ID	QNSB-BMW-101 (114-115)	QNSB-BMW-101 (194-195)	QNSB-BMW-102 (59-60)	QNSB-BMW-102 (76-77)	QNSB-MW-101	QNSB-MW-102 (115-116)	QNSB-MW-103 (33-34)	DUP-02
		Lab Sample ID	480-214046-1/ 480-214219-1	480-214046-2/ 480-214219-2	480-214221-1	480-214221-2	480-214912-2	480-214692-1	480-214614-1	480-214614-2
		Sample Date	10/22/2023	10/22/2023	10/24/2023	10/24/2023	11/13/2023	11/8/2023	11/6/2023	11/6/2023
		Sample Depth (feet bgs)	114-115	194-195	59-60	76-77	85-86	115-116	33-34	33-34
Analyte	**UUSCO**	**Unit**	**Results**							
VOCs										
1,1,1-Trichloroethane	0.68	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,1,2,2-Tetrachloroethane	NC	mg/kg	0.0049 U	0.0031 UJ	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
1,1,2-Trichloroethane	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,1-Dichloroethane	0.27	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,1-Dichloroethene	0.24	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,2,4-Trichlorobenzene	NC	mg/kg	0.0049 U	0.0031 UJ	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,2-Dibromo-3-chloropropane	NC	mg/kg	0.0049 U	0.0031 UJ	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,2-Dibromoethane	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
1,2-Dichlorobenzene	1.1	mg/kg	0.0049 U	0.0031 UJ	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,2-Dichloroethane	0.02	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.00039 J	0.0044 U	0.0039 UJ	0.0039 U
1,2-Dichloropropane	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,3-Dichlorobenzene	2.6	mg/kg	0.0049 U	0.0031 UJ	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
1,4-Dichlorobenzene	1.8	mg/kg	0.0049 U	0.0031 UJ	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
2-Butanone	0.10	mg/kg	0.025 U	0.015 U	0.019 UHT	R	0.0037 J	0.0066 J	0.02 UJ	0.02 U
2-Hexanone	NC	mg/kg	0.025 U	0.015 U	0.019 UHT	R	0.026 U	0.022 U	0.02 UHT	0.02 U
4-Methyl-2-pentanone	NC	mg/kg	0.025 U	0.015 U	0.019 UHT	R	0.026 U	0.022 U	0.02 UHT	0.02 U
Acetone	0.03	mg/kg	**0.037 J**	0.0028 J	0.019 UHT	**0.031 J**	0.02 J	**0.036**	0.0067 J	0.02 U
Benzene	0.06	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Bromodichloromethane	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Bromoform	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
Bromomethane	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 UJ	0.0039 UHT	0.0039 U
Carbon disulfide	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	0.0075 J	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Carbon tetrachloride	0.76	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Chlorobenzene	4.5	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Chloroethane	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UJ	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
Chloroform	0.37	mg/kg	0.0049 U	0.0031 U	0.0038 U	0.003 U	0.0052 U	0.0044 U	0.0039 U	0.0039 U
Chloromethane	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UJ	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
cis-1,2-Dichloroethene	0.19	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0018 J	0.0044 U	0.0039 UHT	0.0039 U
cis-1,3-Dichloropropene	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Cyclohexane	NC	mg/kg	0.0049 UJ	0.0031 UJ	0.0038 UJ	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
Dibromochloromethane	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Dichlorodifluoromethane (Freon 12)	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
Ethylbenzene	1	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Isopropylbenzene (Cumene)	NC	mg/kg	0.0049 U	0.0031 UJ	0.0038 UHT	R	0.0052 UT	0.0044 UJ	0.0039 UHT	0.0039 U
Methyl acetate	NC	mg/kg	0.025 U	0.015 U	0.019 UHT	R	0.026 UJ	0.0027 J	0.02 UJ	0.02 U
Methyl tert-butyl ether (MTBE)	0.1	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 UJ	0.0044 U	0.0039 UHT	0.0039 U
Methylcyclohexane	NC	mg/kg	0.0049 UJ	0.0031 UJ	0.0038 UJ	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
Methylene chloride	0.05	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	0.029 J	0.0052 U	0.0044 U	0.008 BHT	0.0073 B
Styrene	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Tetrachloroethene	1.3	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Toluene	0.7	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
trans-1,2-Dichloroethene	0.19	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
trans-1,3-Dichloropropene	NC	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U
Trichloroethene	0.47	mg/kg	0.0049 U	0.0031 U	0.0038 UHT	R	0.0052 U	0.0044 U	0.0039 UHT	0.0039 U

Table 9
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site Subsurface Soil Sample Analytical Results

			Location ID	BMW-101		BMW-102		MW-101	MW-102	MW-103	
			Sample ID	QNSB-BMW-101 (114-115)	QNSB-BMW-101 (194-195)	QNSB-BMW-102 (59-60)	QNSB-BMW-102 (76-77)	QNSB-MW-101	QNSB-MW-102 (115-116)	QNSB-MW-103 (33-34)	DUP-02
			Lab Sample ID	480-214046-1/ 480-214219-1	480-214046-2/ 480-214219-2	480-214221-1	480-214221-2	480-214912-2	480-214692-1	480-214614-1	480-214614-2
			Sample Date	10/22/2023	10/22/2023	10/24/2023	10/24/2023	11/13/2023	11/8/2023	11/6/2023	11/6/2023
			Sample Depth (feet bgs)	114-115	194-195	59-60	76-77	85-86	115-116	33-34	33-34
Analyte	**UUSCO**	**Unit**		**Results**							
VOCs (cont.)											
Trichlorofluoromethane (Freon 11)	NC	mg/kg		0.0049 UJ	0.0031 UJ	0.0038 UJ	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
Trichlorotrifluoroethane (Freon 113)	NC	mg/kg		0.0049 UJ	0.0031 UJ	0.0038 UJ	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
Vinyl chloride	0.03	mg/kg		0.0049 UJ	0.0031 UJ	0.0038 UJ	R	0.0052 U	0.0044 U	0.0039 UJ	0.0039 U
Xylenes, total	0.26	mg/kg		0.0098 U	0.0062 U	0.0077 UHT	R	0.01 U	0.0087 U	0.0078 UHT	0.0079 U

Notes:
mg/kg - milligrams per kilogram.
ug/kg - micrograms per kilogram.

B - Compound was found in the blank and sample.
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
T - Indicates that a quality control parameter has exceeded laboratory limits.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
SVOCs - Semi-volatile organic compounds.
VOCs - Volatile Organic Compounds.

UUSCO - New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objective.
Values shown in **bold** exceed the listed NYSDEC UUSCO.
NA - Not analyzed.
NC - No NYSDEC UUSCO exists for this analyte.
1 - Screening value for Endosulfan applied.
2 - Screening value for Endrin applied.
3 - Screening value for Chromium, trivalent used.

Table 9
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site Subsurface Soil Sample Analytical Results

		Location ID	MW-104		MW-105	MW-106	MW-107	MW-108	MW-109	MW-110	MW-112S
		Sample ID	QNSB-MW-104 64-66	DUP-01	QNSB-MW-105 (57-58)	QNSB-MW-106 (76-77)	QNSB-MW-107 (62-65)	QNSB-MW-108 (75-76)	QNSB-MW-109 (77-78)	QNSB-MW-110 (77-78)	MW-112S (77-78)
		Lab Sample ID	480-213974-1	480-213974-2	480-214487-1	480-214412-1	480-214367-2	480-214009-1	480-214221-4	480-213859-1	480-220903-1
		Sample Date	10/18/2023	10/18/2023	11/1/2023	10/31/2023	10/30/2023	10/19/2023	10/25/2023	10/17/2023	6/17/2024
		Sample Depth (feet bgs)	64-66	64-66	57-58	76-77	62-65	75-76	77-78	77-78	12-13
Analyte	**UUSCO**	**Unit**	**Results**								
1,4-Dioxane											
1,4-Dioxane	0.1	mg/kg	0.076 U	0.08 U	0.073 U	0.072 U	0.081 U	0.079 U	0.079 U	0.083 UJ	0.072 U
PFAS											
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	ug/kg	0.87 U	0.95 U	0.87 U	0.88 U	0.98 U	0.97 UJ	0.93 U	1.0 U	0.76 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	ug/kg	5.4 U	5.9 U	5.4 U	5.5 U	6.1 U	6.1 U	5.8 U	6.3 U	4.7 U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	ug/kg	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	0.94 U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	ug/kg	5.4 U	5.9 U	5.4 U	5.5 U	6.1 U	6.1 U	5.8 U	6.3 U	4.7 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	ug/kg	0.87 U	0.95 U	0.87 U	0.88 U	0.98 U	0.97 U	0.93 U	1.0 U	0.76 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	ug/kg	0.87 U	0.95 U	0.87 U	0.88 U	0.98 U	0.97 U	0.93 U	1.0 U	0.76 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	ug/kg	0.87 U	0.95 U	0.87 U	0.88 U	0.98 U	0.97 U	0.93 U	1.0 U	0.76 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	ug/kg	0.87 U	0.95 U	0.87 U	0.88 U	0.98 U	0.97 U	0.93 U	1.0 U	0.76 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	ug/kg	0.87 U	0.95 U	0.87 U	0.88 U	0.98 U	0.97 UJ	0.93 U	1.0 U	0.76 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	ug/kg	2.2 U	2.4 U	2.2 U	2.2 U	2.4 U	2.4 U	2.3 U	2.5 U	1.9 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	ug/kg	2.2 U	2.4 U	2.2 U	2.2 U	2.4 U	2.4 U	2.3 U	2.5 U	1.9 U
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	ug/kg	0.43 U	0.47 U	0.43 U	0.44 U	0.49 U	0.49 U	0.46 U	0.5 U	0.38 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	ug/kg	0.87 U	0.95 U	0.87 U	0.88 U	0.98 U	0.97 U	0.93 U	1 U	0.76 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	ug/kg	0.43 UJ	0.47 UJ	0.43 UJ	0.44 UJ	0.49 UJ	0.49 UJ	0.46 UJ	0.5 UJ	0.38 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	ug/kg	0.43 U	0.47 U	0.43 U	0.44 U	0.49 U	0.49 U	0.46 U	0.5 U	0.38 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	ug/kg	0.43 U	0.47 U	0.43 U	0.44 U	0.49 U	0.49 U	0.46 U	0.5 U	0.38 U
Perfluorobutane sulfonic acid (PFBS)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorobutanoic acid (PFBA)	NC	ug/kg	0.87 U	0.95 U	0.87 U	0.88 U	0.98 U	0.97 U	0.93 U	1.0 U	0.76 U
Perfluorodecane sulfonic acid (PFDS)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorodecanoic acid (PFDA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorododecane sulfonic acid (PFDoS)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorododecanoic acid (PFDoA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluoroheptanoic acid (PFHpA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorohexane sulfonic acid (PFHxS)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.11 J
Perfluorohexanoic acid (PFHxA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorononane sulfonic acid (PFNS)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorononanoic acid (PFNA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorooctane sulfonamide (PFOSA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorooctane sulfonic acid (PFOS)	0.88	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	**1.2 J**
Perfluorooctanoic acid (PFOA)	0.66	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluoropentane sulfonic acid (PFPeS)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluoropentanoic acid (PFPeA)	NC	ug/kg	0.43 U	0.47 U	0.43 U	0.44 U	0.49 U	0.49 U	0.46 U	0.5 U	0.38 U
Perfluorotetradecanoic acid (PFTA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluorotridecanoic acid (PFTrDA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Perfluoroundecanoic acid (PFUnA)	NC	ug/kg	0.22 U	0.24 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.25 U	0.19 U
Total PFAS	NC	ug/kg	--	--	--	--	--	--	--	--	1.31 J

Table 9
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site Subsurface Soil Sample Analytical Results

			Location ID	MW-104		MW-105	MW-106	MW-107	MW-108	MW-109	MW-110	MW-112S
			Sample ID	QNSB-MW-104 64-66	DUP-01	QNSB-MW-105 (57-58)	QNSB-MW-106 (76-77)	QNSB-MW-107 (62-65)	QNSB-MW-108 (75-76)	QNSB-MW-109 (77-78)	QNSB-MW-110 (77-78)	MW-112S (77-78)
			Lab Sample ID	480-213974-1	480-213974-2	480-214487-1	480-214412-1	480-214367-2	480-214009-1	480-214221-4	480-213859-1	480-220903-1
			Sample Date	10/18/2023	10/18/2023	11/1/2023	10/31/2023	10/30/2023	10/19/2023	10/25/2023	10/17/2023	6/17/2024
			Sample Depth (feet bgs)	64-66	64-66	57-58	76-77	62-65	75-76	77-78	77-78	12-13
Analyte	**UUSCO**	**Unit**		**Results**								
VOCs												
1,1,1-Trichloroethane	0.68	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,1,2,2-Tetrachloroethane	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,1,2-Trichloroethane	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,1-Dichloroethane	0.27	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,1-Dichloroethene	0.24	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,2,4-Trichlorobenzene	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,2-Dibromo-3-chloropropane	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,2-Dibromoethane	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,2-Dichlorobenzene	1.1	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,2-Dichloroethane	0.02	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,2-Dichloropropane	NC	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,3-Dichlorobenzene	2.6	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
1,4-Dichlorobenzene	1.8	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
2-Butanone	0.10	mg/kg		0.017 UJ	0.019 U	0.022 UJ	0.021 UJ	0.022 UJ	0.023 U	0.023 U	0.0033 J	0.022 U
2-Hexanone	NC	mg/kg		0.017 UJ	0.019 U	0.022 U	0.021 U	0.022 UHT	0.023 U	0.023 U	0.019 U	0.022 U
4-Methyl-2-pentanone	NC	mg/kg		0.017 UJ	0.019 U	0.022 U	0.021 U	0.022 UHT	0.023 U	0.023 U	0.019 U	0.022 U
Acetone	0.03	mg/kg		0.017 UJ	0.019 U	0.022 U	0.022	0.022 UHT	0.023 U	0.023 U	**0.043**	0.0063 J
Benzene	0.06	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Bromodichloromethane	NC	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Bromoform	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Bromomethane	NC	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Carbon disulfide	NC	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Carbon tetrachloride	0.76	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Chlorobenzene	4.5	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Chloroethane	NC	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 UJ	0.0039 U	0.0044 U
Chloroform	0.37	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 U	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Chloromethane	NC	mg/kg		0.0034 U	0.0037 U	0.0044 UJ	0.0043 UJ	0.0044 UJ	0.0045 U	0.0045 UJ	0.0039 U	0.0044 U
cis-1,2-Dichloroethene	0.19	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
cis-1,3-Dichloropropene	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Cyclohexane	NC	mg/kg		0.0034 UT	0.0037 UT	0.0044 UJ	0.0043 UJ	0.0044 UJ	0.0045 UJ	0.0045 UJ	0.0039 UT	0.0044 U
Dibromochloromethane	NC	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Dichlorodifluoromethane (Freon 12)	NC	mg/kg		0.0034 UJ	0.0037 UJ	0.0044 UJ	0.0043 UJ	0.0044 UJ	0.0045 UJ	0.0045 U	0.0039 UJ	0.0044 U
Ethylbenzene	1	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Isopropylbenzene (Cumene)	NC	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Methyl acetate	NC	mg/kg		0.017 UJ	0.019 U	0.022 U	0.021 U	0.022 UHT	0.023 U	0.023 U	0.019 U	0.022 U
Methyl tert-butyl ether (MTBE)	0.1	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Methylcyclohexane	NC	mg/kg		0.0034 U	0.0037 U	0.0044 UJ	0.0043 UJ	0.0044 UJ	0.0045 UJ	0.0045 UJ	0.0039 U	0.0044 U
Methylene chloride	0.05	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Styrene	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Tetrachloroethene	1.3	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Toluene	0.7	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
trans-1,2-Dichloroethene	0.19	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
trans-1,3-Dichloropropene	NC	mg/kg		0.0034 UJ	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U
Trichloroethene	0.47	mg/kg		0.0034 U	0.0037 U	0.0044 U	0.0043 U	0.0044 UHT	0.0045 U	0.0045 U	0.0039 U	0.0044 U

Table 9
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site Subsurface Soil Sample Analytical Results

			Location ID	MW-104		MW-105	MW-106	MW-107	MW-108	MW-109	MW-110	MW-112S
			Sample ID	QNSB-MW-104 64-66	DUP-01	QNSB-MW-105 (57-58)	QNSB-MW-106 (76-77)	QNSB-MW-107 (62-65)	QNSB-MW-108 (75-76)	QNSB-MW-109 (77-78)	QNSB-MW-110 (77-78)	MW-112S (77-78)
			Lab Sample ID	480-213974-1	480-213974-2	480-214487-1	480-214412-1	480-214367-2	480-214009-1	480-214221-4	480-213859-1	480-220903-1
			Sample Date	10/18/2023	10/18/2023	11/1/2023	10/31/2023	10/30/2023	10/19/2023	10/25/2023	10/17/2023	6/17/2024
			Sample Depth (feet bgs)	64-66	64-66	57-58	76-77	62-65	75-76	77-78	77-78	12-13
Analyte	**UUSCO**	**Unit**		**Results**								
VOCs (cont.)												
Trichlorofluoromethane (Freon 11)	NC	mg/kg		0.0034 UJ	0.0037 UJ	0.0044 UJ	0.0043 UJ	0.0044 UJ	0.0045 UJ	0.0045 UJ	0.0039 UJ	0.0044 U
Trichlorotrifluoroethane (Freon 113)	NC	mg/kg		0.0034 U	0.0037 U	0.0044 UJ	0.0043 UJ	0.0044 UJ	0.0045 UJ	0.0045 UJ	0.0039 U	0.0044 U
Vinyl chloride	0.03	mg/kg		0.0034 U	0.0037 U	0.0044 UJ	0.0043 UJ	0.0044 UJ	0.0045 UJ	0.0045 UJ	0.0039 U	0.0044 U
Xylenes, total	0.26	mg/kg		0.0068 UJ	0.0074 U	0.0087 U	0.0086 U	0.0089 UHT	0.009 U	0.0091 U	0.0078 U	0.0089 U

Notes:
mg/kg - milligrams per kilogram.
ug/kg - micrograms per kilogram.

B - Compound was found in the blank and sample.
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
T - Indicates that a quality control parameter has exceeded laboratory limits.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
SVOCs - Semi-volatile organic compounds.
VOCs - Volatile Organic Compounds.

UUSCO - New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricte
Values shown in **bold** exceed the listed NYSDEC UUSCO.
NA - Not analyzed.
NC - No NYSDEC UUSCO exists for this analyte.
1 - Screening value for Endosulfan applied.
2 - Screening value for Endrin applied.
3 - Screening value for Chromium, trivalent used.

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	BMW-101	BMW-102	MW-101	MW-102	MW-103	MW-104	MW-105
			Sample ID	QNSB-BMW-101	QNSB-BMW-102	QNSB-MW-101	QNSB-MW-102	QNSB-MW-103	QNSB-MW-104	QNSB-MW-105
			Sample Delivery Group	4802155761	4802155761	4802155281	4802155281	4802155281	4802154801	4802154801
			Sample Date	12/08/2023	12/08/2023	12/07/2023	12/07/2023	12/07/2023	12/05/2023	12/05/2023
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
1,4-Dioxane										
1,4-Dioxane	0.35	1	ug/L	0.21 U	0.21 U	**0.47**	**0.92**	0.21 U	**1.1**	**0.90**
PFAS										
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/L	16 UJ	40 UJ	15 UJ	7.1 U	7.4 U	7.3 U	80 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	NC	ng/L	100 UJ	250 UJ	97 UJ	44 U	47 U	45 U	500 UJ
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	NC	ng/L	20 UJ	50 UJ	19 UJ	8.9 U	9.3 U	9.1 U	100 UJ
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	NC	ng/L	100 UJ	250 UJ	97 UJ	44 U	47 U	45 U	500 UJ
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/L	16 UJ	40 UJ	15 UJ	7.1 U	7.4 U	7.3 U	80 UJ
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/L	16 UJ	40 UJ	15 UJ	7.1 U	7.4 U	7.3 U	80 UJ
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/L	16 UJ	40 UJ	15 UJ	7.1 U	7.4 U	7.3 U	80 UJ
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/L	16 UJ	40 UJ	15 UJ	7.1 U	7.4 U	7.3 U	80 UJ
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/L	16 UJ	40 UJ	15 UJ	7.1 U	7.4 U	7.3 U	80 UJ
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 UJ	1.9 UJ	1.8 UJ	20 UJ
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	NC	ng/L	40 UJ	100 UJ	39 UJ	18 UJ	19 UJ	18 UJ	200 UJ
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/L	8.0 UJ	20 UJ	7.7 UJ	3.6 UJ	3.7 UJ	3.6 UJ	40 UJ
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	NC	ng/L	40 UJ	100 UJ	39 UJ	18 UJ	19 UJ	18 UJ	200 UJ
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/L	8.0 UJ	20 UJ	7.7 UJ	3.6 U	3.7 U	3.6 U	40 UJ
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/L	16 UJ	40 UJ	15 UJ	7.1 U	7.4 U	7.3 U	80 UJ
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/L	8.0 UJ	20 UJ	7.7 UJ	3.6 UJ	3.7 UJ	3.6 UJ	40 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/L	8.0 UJ	20 UJ	7.7 UJ	3.6 U	3.7 U	3.6 U	40 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/L	8.0 UJ	20 UJ	7.7 UJ	3.6 U	3.7 U	3.6 U	40 UJ
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/L	4.0 UJ	10 UJ	0.74 J	0.65 J	1.2 J	0.65 J	20 UJ
Perfluorobutanoic acid (PFBA)	NC	NC	ng/L	16 UJ	40 UJ	5.1 J	1.8 J	7.9	2.9 J	80 UJ
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluorodecanoic acid (PFDA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluorododecane sulfonic acid (PFDoS)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluoroheptanoic acid (PFHpA)	NC	NC	ng/L	4.0 UJ	10 UJ	1.3 J	1.8 U	1.8 J	1.8 U	20 UJ
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.3 J	1.8 U	20 UJ
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/L	4.0 UJ	10 UJ	2.2 J	1.8 U	2.6	1.8 U	20 UJ
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluorononanoic acid (PFNA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluorooctane sulfonic acid (PFOS)	2.7	10	ng/L	4.0 UJ	10 UJ	1.2 J	1.8 U	1.9 U	1.8 U	20 UJ
Perfluorooctanoic acid (PFOA)	6.7	10	ng/L	4.0 UJ	10 UJ	4.4 J	1.8 U	6.4	1.1 J	20 UJ
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/L	8.0 UJ	20 UJ	2.3 J	3.6 U	3.1 J	2.5 J	40 UJ
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/L	4.0 UJ	10 UJ	3.9 UJ	1.8 U	1.9 U	1.8 U	20 UJ
Total PFAS	NC	NC	ng/L	--	--	17.24	2.45	24.3	7.15	--
VOCs										
1,1,1-Trichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	BMW-101	BMW-102	MW-101	MW-102	MW-103	MW-104	MW-105
			Sample ID	QNSB-BMW-101	QNSB-BMW-102	QNSB-MW-101	QNSB-MW-102	QNSB-MW-103	QNSB-MW-104	QNSB-MW-105
			Sample Delivery Group	4802155761	4802155761	4802155281	4802155281	4802155281	4802154801	4802154801
			Sample Date	12/08/2023	12/08/2023	12/07/2023	12/07/2023	12/07/2023	12/05/2023	12/05/2023
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
VOCs (cont.)										
1,2,4-Trichlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	0.0006	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50	NC	ug/L	10 UJ	10 UJ	10 UT	10 UT	10 UT	10 U	10 U
2-Hexanone	50	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NC	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50	NC	ug/L	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Benzene	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	NC	ug/L	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	NC	ug/L	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.45 J	1.0 U
Chloromethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	NC	ug/L	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	NC	ug/L	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Methyl tert-butyl ether (MTBE)	10	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, total	5	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
SVOCs										
1,1'-Biphenyl	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2,2'-Oxybis(1-chloropropane)	5	NC	ug/L	5.4 UJ	5.4 UJ	5.2 UJ	5.2 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2,4,5-Trichlorophenol	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	BMW-101	BMW-102	MW-101	MW-102	MW-103	MW-104	MW-105
			Sample ID	QNSB-BMW-101	QNSB-BMW-102	QNSB-MW-101	QNSB-MW-102	QNSB-MW-103	QNSB-MW-104	QNSB-MW-105
			Sample Delivery Group	4802155761	4802155761	4802155281	4802155281	4802155281	4802154801	4802154801
			Sample Date	12/08/2023	12/08/2023	12/07/2023	12/07/2023	12/07/2023	12/05/2023	12/05/2023
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
SVOCs (cont.)										
2,4-Dinitrophenol	10	NC	ug/L	11 U	11 U	10 U	10 UJ	10 UJ	10 U	10 U
2,4-Dinitrotoluene	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	10	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2-Methylnaphthalene	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2-Methylphenol	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
2-Nitroaniline	5	NC	ug/L	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
3,3'-Dichlorobenzidine	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	5	NC	ug/L	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
4-Chloro-3-methylphenol	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
4-Chloroaniline	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
4-Chlorophenyl phenyl ether	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
4-Methylphenol	NC	NC	ug/L	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	NC	ug/L	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	NC	NC	ug/L	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Acenaphthylene	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Acetophenone	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Anthracene	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Atrazine	7.5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Benzaldehyde	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	0.002	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	0	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	0.002	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	0.002	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Bis(2-chloroethoxy)methane	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Bis(2-chloroethyl) ether	1	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Bis(2-ethylhexyl)phthalate	5	NC	ug/L	5.4 UJ	5.4 UJ	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Butylbenzylphthalate	50	NC	ug/L	5.4 UJ	5.4 UJ	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Caprolactam	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Carbazole	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Chrysene	0.002	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	NC	NC	ug/L	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Di-n-butylphthalate	50	NC	ug/L	5.4 UJ	5.4 UJ	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Di-n-octylphthalate	NC	NC	ug/L	5.4 UJ	5.4 UJ	5.2 U	5.2 U	5.0 U	5.0 U	0.50 J
Fluoranthene	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Fluorene	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Hexachlorobenzene	0.04	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	0.5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 UJ	5.0 UJ	5.0 U	5.0 U
Hexachloroethane	5	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	BMW-101	BMW-102	MW-101	MW-102	MW-103	MW-104	MW-105
			Sample ID	QNSB-BMW-101	QNSB-BMW-102	QNSB-MW-101	QNSB-MW-102	QNSB-MW-103	QNSB-MW-104	QNSB-MW-105
			Sample Delivery Group	4802155761	4802155761	4802155281	4802155281	4802155281	4802154801	4802154801
			Sample Date	12/08/2023	12/08/2023	12/07/2023	12/07/2023	12/07/2023	12/05/2023	12/05/2023
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
SVOCs (cont.)										
Isophorone	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Naphthalene	10	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Nitrobenzene	0.4	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
n-Nitroso-di-n-propylamine	NC	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
N-Nitrosodiphenylamine	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Pentachlorophenol	1	NC	ug/L	11 UJ	11 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Phenanthrene	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Phenol	1	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
Pyrene	50	NC	ug/L	5.4 U	5.4 U	5.2 U	5.2 U	5.0 U	5.0 U	5.0 U
PCBs										
Aroclor-1016	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.54 U	0.50 U	0.50 U
Aroclor-1221	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.54 U	0.50 U	0.50 U
Aroclor-1232	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.54 U	0.50 U	0.50 U
Aroclor-1242	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.54 U	0.50 U	0.50 U
Aroclor-1248	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.54 U	0.50 U	0.50 U
Aroclor-1254	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.54 U	0.50 U	0.50 U
Aroclor-1260	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.54 U	0.50 U	0.50 U
Total PCBs	0.09	NC	ug/L	--	--	--	--	--	--	--
Metals										
Aluminum	NC	NC	ug/L	440	200 U	440	200 U	200 U	95 J	2600
Antimony	3	NC	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Arsenic	25	NC	ug/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Barium	1,000	NC	ug/L	120 J	130 J	110 J	110 J	31 J	120 J	360 J
Beryllium	3	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Boron	1,000	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.59 J
Calcium	NC	NC	ug/L	36,600 J	50,100 J	159,000 J	166,000 J	90,100 J	156,000 J	145,000 J
Chromium	50	NC	ug/L	4.0 U	4.0 U	2.1 J	1.6 J	4.0 U	2.7 J	12
Cobalt	NC	NC	ug/L	0.69 J	4.0 U	1.9 J	5.0	4.0 U	8.3	2.1 J
Copper	200	NC	ug/L	10 U	10 U	6.6 J	5.0 J	10 U	3.0 J	5.9 J
Iron	300	NC	ug/L	**13,200 J**	**10,300 J**	**840 J**	**520 J**	21 J	**1,800 J**	**8,700 J**
Lead	25	NC	ug/L	3.2 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	5.0 J
Magnesium	35,000	NC	ug/L	15,700 J	28,100 J	**43,100 J**	**54,000 J**	25,800 J	**65,400 J**	**69,700 J**
Manganese	300	NC	ug/L	**340** J	280 J	**560 J**	**480 J**	38 J	**1,600 J**	170 J
Mercury	0.7	NC	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	100	NC	ug/L	3.3 J	10 U	6.7 J	6.5 J	1.3 J	11	11
Potassium	NC	NC	ug/L	2,300 J-	1,200 J-	4,200 J-	6,200	1,900 J	3,400	4,000
Selenium	10	NC	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Silver	50	NC	ug/L	6.0 UT	6.0 UT	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Sodium	20,000	NC	ug/L	6,600	8,000	**23,200**	**23,600**	14,000	**72,000**	**46,800**
Thallium	0.5	NC	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	NC	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4.8 J
Zinc	2,000	NC	ug/L	2.4 J	10 U	8.2 J	18	10 U	13	12
Radiological										
Tritium (Hydrogen-3)	NC	NC	pci/L	-18.9 U	-32.4 U	39.6 U	4.50 U	-40.1 U	-72.5 U	-80.2 U
General Chemistry										
Alkalinity, bicarbonate	NC	NC	ug/L	159,000	217,000	549,000	612,000	351,000	605,000	514,000
Alkalinity, carbonate	NC	NC	ug/L	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
Alkalinity, total	NC	NC	ug/L	159,000	217,000	549,000	612,000	351,000	605,000	514,000

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	BMW-101	BMW-102	MW-101	MW-102	MW-103	MW-104	MW-105
			Sample ID	QNSB-BMW-101	QNSB-BMW-102	QNSB-MW-101	QNSB-MW-102	QNSB-MW-103	QNSB-MW-104	QNSB-MW-105
			Sample Delivery Group	4802155761	4802155761	4802155281	4802155281	4802155281	4802154801	4802154801
			Sample Date	12/08/2023	12/08/2023	12/07/2023	12/07/2023	12/07/2023	12/05/2023	12/05/2023
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
General Chemistry (cont.)										
Ammonia as Nitrogen	NC	NC	ug/L	59	130	370	290	20 U	20 U	20 U
Biochemical Oxygen Demand	NC	NC	ug/L	4,700	2,000 U	3,600 B	3,000 B	2,000 U	2,000 UHT	2,000 UHT
Bromide	NC	NC	ug/L	200 U	400 U	1,000 U	1,000 U	400 U	1,000 U	1,000 U
Chemical Oxygen Demand	NC	NC	ug/L	23,100	10,000 U	10,000 U	10,000 U	12,600	32,200	10,000 U
Chloride	250,000	NC	ug/L	2,000	27,700	38,400	34,600	30,300	115,000	84,900
Cyanide	200	NC	ug/L	10 UT	10 U	10 U	10 U	10 U	10 U	10 U
Nitrate as Nitrogen	10,000	NC	ug/L	33 J	33 J	170	2,600	50	41 JHT	50 UHT
Orthophosphate	NC	NC	ug/L	37	64	29	23	20 U	11 JHT	67 HT
pH	NC	NC	su	8.3	8.1	7.4	7.5	7.9	7.5	7.5
Phosphorus, total	NC	NC	ug/L	44	6 J	10 U	10 J	10 U	10 U	100
Sulfate	250,000	NC	ug/L	22,400	22,200	29,300	50,800	4,200	52,500	55,300
Temperature	NC	NC	deg C	21.6	21.6	21.4	21.4	21.8	21.4	21.2
Total Dissolved Solids	NC	NC	ug/L	172,000	271,000	570,000	696,000	385,000	810,000	725,000
Total Suspended Solids (TSS)	NC	NC	ug/L	4,000 U	230,000 B	120,000 B	4,000 U	4,000 U	20,000 B	560,000 B
Total Hardness as CaCO3	NC	NC	ug/L	170,000	260,000	580,000	660,000	350,000	670,000	700,000
Total Kjeldahl Nitrogen	NC	NC	ug/L	200 U	200 UT	500	310	200 U	200 U	200 U
Total Organic Carbon	NC	NC	ug/L	1,700	1,000 U	1,300	1,500	590 J	1,600	1,100
Total Organic Carbon - 2	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon - 3	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon - 4	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon - 5	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA

Notes:
deg C - Degrees Celsius.
pci/L - Picocuries per liter of air.
su -Standard units.
ug/L - Micrograms per liter.
ng/L - Nanograms per liter.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values with gray shading exceed the NYSDOH MCL.
Values shown in **bold** exceed the NYSDEC guidance value.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

B - Compound was found in the blank and sample
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
J+ - Estimated value, biased high.
J- - Estimated value, biased low.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
T - Indicates that a quality control parameter has exceeded laboratory limits.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-106	MW-107	MW-108	MW-109	MW-110		HMPSW
			Sample ID	QNSB-MW-106	QNSB-MW-107	QNSB-MW-108	QNSB-MW-109	QNSB-MW-110	QNSB-DUP-01	QNSB-HMPSW
			Sample Delivery Group	4802154801	4802154801	4802154801	4802154801	4802154401	4802154401	480-213407-1
			Sample Date	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/05/2023	12/05/2023	10/3/2023
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
1,4-Dioxane										
1,4-Dioxane	0.35	1	ug/L	**0.81**	0.16 J	**0.38**	0.22 U	**2.7**	**2.7**	**0.83 B**
PFAS										
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/L	7.2 U	7.5 U	7.3 U	7.3 U	7.5 U	7.5 U	7.2 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	NC	ng/L	45 U	47 U	46 U	45 U	47 U	47 U	45 U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	NC	ng/L	9.0 U	9.3 U	9.2 U	9.1 U	9.3 U	9.4 U	9.0 U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	NC	ng/L	45 U	47 U	46 U	45 U	47 U	47 U	45 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/L	7.2 U	7.5 U	7.3 U	7.3 U	7.5 U	7.5 U	7.2 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/L	7.2 U	7.5 U	7.3 U	7.3 U	7.5 U	7.5 U	7.2 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/L	7.2 U	7.5 U	7.3 U	7.3 U	7.5 U	7.5 U	7.2 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/L	7.2 U	7.5 U	7.3 U	7.3 U	7.5 U	7.5 U	7.2 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/L	7.2 U	7.5 U	7.3 U	7.3 U	7.5 U	7.5 U	7.2 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	ng/L	1.8 UJ	1.9 UJ	1.8 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 U
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	NC	ng/L	18 UJ	19 UJ	18 UJ	18 UJ	19 UJ	19 UJ	18 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/L	3.6 UJ	3.7 UJ	3.7 UJ	3.6 UJ	3.7 UJ	3.8 UJ	3.6 U
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	NC	ng/L	18 UJ	19 UJ	18 UJ	18 UJ	19 UJ	19 UJ	18 U
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/L	3.6 U	3.7 U	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/L	7.2 U	7.5 U	7.3 U	7.3 U	7.5 U	7.5 U	7.2 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/L	3.6 UJ	3.7 UJ	3.7 UJ	3.6 UJ	3.7 UJ	3.8 UJ	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/L	3.6 U	3.7 U	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/L	3.6 U	3.7 U	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/L	1.0 J	1.9 U	1.8 U	2.2	1.9 U	1.9 U	0.61 J
Perfluorobutanoic acid (PFBA)	NC	NC	ng/L	5.5 J	2.5 J	3.4 J	2.8 J	11 J+	11 J+	3.9 J
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluorododecane sulfonic acid (PFDoS)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	ng/L	0.95 J	1.9 U	1.6 J	0.51 J	1.9 U	1.9 U	0.92 J
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/L	2.2	1.9 U	1.8 U	1.8	1.9 U	1.9 U	1.8 U
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/L	1.8	1.9 U	3.1	2.4	5.6	5.4	2.2
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluorooctane sulfonic acid (PFOS)	2.7	10	ng/L	0.64 J	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluorooctanoic acid (PFOA)	6.7	10	ng/L	3.9	1.5 J	2.5	1.8 U	1.9 U	1.9 U	2.5
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/L	2.4 J	0.95 J	3.3 J	3.0 J	8.1	8.1	1.5 J
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/L	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Total PFAS	NC	NC	ng/L	18.39	4.95	13.9	12.71	24.7	24.5	11.63
VOCs										
1,1,1-Trichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-106	MW-107	MW-108	MW-109	MW-110		HMPSW
			Sample ID	QNSB-MW-106	QNSB-MW-107	QNSB-MW-108	QNSB-MW-109	QNSB-MW-110	QNSB-DUP-01	QNSB-HMPSW
			Sample Delivery Group	4802154801	4802154801	4802154801	4802154801	4802154401	4802154401	480-213407-1
			Sample Date	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/05/2023	12/05/2023	10/3/2023
Analyte	NYSDEC GA Value	NYSDOH MCL	Unit	Results						
VOCs (cont.)										
1,2,4-Trichlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	0.0006	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50	NC	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NC	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50	NC	ug/L	10 U	10 U	10 U	10 U	10 UT	10 U	10 U
Benzene	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U
Carbon tetrachloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	NC	ug/L	5.1	1.0 U	1.2	1.0 U	5.6 J	0.40 J	1.0 U
Chloromethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	NC	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether (MTBE)	10	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	0.19 J	0.23 J	1.0 U
Methylcyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	NC	ug/L	0.87 J	1.0 U	1.0 U	1.0 U	0.75 J	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UT	1.0 U	1.0 U
Trichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, total	5	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
SVOCs										
1,1'-Biphenyl	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2,2'-Oxybis(1-chloropropane)	5	NC	ug/L	5.0 UJ	5.2 UJ	5.4 UJ	5.0 UJ	5.4 U	5.4 U	NA
2,4,5-Trichlorophenol	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2,4,6-Trichlorophenol	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2,4-Dichlorophenol	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2,4-Dimethylphenol	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-106	MW-107	MW-108	MW-109	MW-110		HMPSW
			Sample ID	QNSB-MW-106	QNSB-MW-107	QNSB-MW-108	QNSB-MW-109	QNSB-MW-110	QNSB-DUP-01	QNSB-HMPSW
			Sample Delivery Group	4802154801	4802154801	4802154801	4802154801	4802154401	4802154401	480-213407-1
			Sample Date	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/05/2023	12/05/2023	10/3/2023
Analyte	NYSDEC GA Value	NYSDOH MCL	Unit	Results						
SVOCs (cont.)										
2,4-Dinitrophenol	10	NC	ug/L	10 U	10 U	11 U	10 U	11 UJ	11 UJ	NA
2,4-Dinitrotoluene	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2,6-Dinitrotoluene	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
2-Chloronaphthalene	10	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2-Chlorophenol	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2-Methylnaphthalene	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2-Methylphenol	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
2-Nitroaniline	5	NC	ug/L	10 U	10 U	11 U	10 U	11 UT	11 U	NA
2-Nitrophenol	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
3,3'-Dichlorobenzidine	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
3-Nitroaniline	5	NC	ug/L	10 U	10 U	11 U	10 U	11 U	11 U	NA
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	10 U	10 U	11 U	10 U	11 UT	11 U	NA
4-Bromophenyl phenyl ether	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
4-Chloro-3-methylphenol	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
4-Chloroaniline	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
4-Chlorophenyl phenyl ether	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
4-Methylphenol	NC	NC	ug/L	10 U	10 U	11 U	10 U	11 U	11 U	NA
4-Nitroaniline	5	NC	ug/L	10 U	10 U	11 U	10 U	11 U	11 U	NA
4-Nitrophenol	NC	NC	ug/L	10 U	10 U	11 U	10 U	11 U	11 U	NA
Acenaphthene	20	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Acenaphthylene	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Acetophenone	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Anthracene	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Atrazine	7.5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Benzaldehyde	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Benzo(a)anthracene	0.002	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Benzo(a)pyrene	0	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Benzo(b)fluoranthene	0.002	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Benzo(g,h,i)perylene	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Benzo(k)fluoranthene	0.002	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Bis(2-chloroethoxy)methane	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Bis(2-chloroethyl) ether	1	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Bis(2-ethylhexyl)phthalate	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Butylbenzylphthalate	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Caprolactam	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Carbazole	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UJ	5.4 UJ	NA
Chrysene	0.002	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Dibenz(a,h)anthracene	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Dibenzofuran	NC	NC	ug/L	10 U	10 U	11 U	10 U	11 UT	11 U	NA
Diethyl phthalate	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Dimethylphthalate	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Di-n-butylphthalate	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Di-n-octylphthalate	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Fluoranthene	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Fluorene	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Hexachlorobenzene	0.04	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Hexachlorobutadiene	0.5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Hexachlorocyclopentadiene	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UJ	5.4 UJ	NA
Hexachloroethane	5	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-106	MW-107	MW-108	MW-109	MW-110		HMPSW
			Sample ID	QNSB-MW-106	QNSB-MW-107	QNSB-MW-108	QNSB-MW-109	QNSB-MW-110	QNSB-DUP-01	QNSB-HMPSW
			Sample Delivery Group	4802154801	4802154801	4802154801	4802154801	4802154401	4802154401	480-213407-1
			Sample Date	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/05/2023	12/05/2023	10/3/2023
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
SVOCs (cont.)										
Isophorone	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Naphthalene	10	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Nitrobenzene	0.4	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
n-Nitroso-di-n-propylamine	NC	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
N-Nitrosodiphenylamine	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Pentachlorophenol	1	NC	ug/L	10 UJ	10 UJ	11 UJ	10 UJ	11 UJ	11 UJ	NA
Phenanthrene	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 UT	5.4 U	NA
Phenol	1	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
Pyrene	50	NC	ug/L	5.0 U	5.2 U	5.4 U	5.0 U	5.4 U	5.4 U	NA
PCBs										
Aroclor-1016	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA
Aroclor-1221	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA
Aroclor-1232	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA
Aroclor-1242	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA
Aroclor-1248	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA
Aroclor-1254	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA
Aroclor-1260	NC	NC	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA
Total PCBs	0.09	NC	ug/L	--	--	--	--	--	--	NA
Metals										
Aluminum	NC	NC	ug/L	200 U	200 U	5,700	220	76 J	66 J	NA
Antimony	3	NC	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	NA
Arsenic	25	NC	ug/L	15 U	15 U	15 U	15 U	15 U	15 U	NA
Barium	1,000	NC	ug/L	72 J	76 J	260 J	63 J	150 J	250 J	NA
Beryllium	3	NC	ug/L	2.0 U	2.0 U	0.37 J	2.0 U	2.0 U	2.0 U	NA
Boron	1,000	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NC	ug/L	0.53 J	2.0 U	2.0 U	2.0 U	2.0 U	0.58 J	NA
Calcium	NC	NC	ug/L	122,000 J	93,000 J	169,000 J	76,700 J	7,800 J	97,600 J	NA
Chromium	50	NC	ug/L	4.0 U	2.3 J	12	3.3 J	3.7 J	4.0 U	NA
Cobalt	NC	NC	ug/L	2.2 J	1.9 J	7.0	4.0 U	4.0 U	0.66 J	NA
Copper	200	NC	ug/L	2.5 J	3.7 J	8.8 J	2.1 J	10 U	10 U	NA
Iron	300	NC	ug/L	200 J	**2,100 J**	**12,700 J**	**380 J**	86 J	**3,400 J**	NA
Lead	25	NC	ug/L	10 UJ	10 UJ	7.5 J	10 UJ	10 UJ	30 J	NA
Magnesium	35,000	NC	ug/L	**38,000 J**	25,200 J	**83,000 J**	26,800 J	8,300 J	**47,200 J**	NA
Manganese	300	NC	ug/L	**570 J**	**390 J**	**480 J**	110 J	1.9 J	120 J	NA
Mercury	0.7	NC	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
Nickel	100	NC	ug/L	4.3 J	2.1 J	8.8 J	2.5 J	10 U	2.6 J	NA
Potassium	NC	NC	ug/L	4,500	1,900	5,900	1,800	49,000	40,000	NA
Selenium	10	NC	ug/L	25 U	25 U	25 U	25 U	9.7 J	25 U	NA
Silver	50	NC	ug/L	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	NA
Sodium	20,000	NC	ug/L	**26,900**	16,500	**62,700**	**71,300**	**77,000**	**91,200**	NA
Thallium	0.5	NC	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	NA
Vanadium	NC	NC	ug/L	5.0 U	5.0 U	9.7	5.0 U	1.5 J	5.0 U	NA
Zinc	2,000	NC	ug/L	3.8 J	4.0 J	16	2.0 J	10 U	10 U	NA
Radiological										
Tritium (Hydrogen-3)	NC	NC	pci/L	10.8 U	-42.8 U	-36.5 U	-36.5 U	-151 U	-36.5 U	NA
General Chemistry										
Alkalinity, bicarbonate	NC	NC	ug/L	422,000	362,000	621,000	291,000	63,600	517,000	NA
Alkalinity, carbonate	NC	NC	ug/L	5,000 U	5,000 U	5,000 U	5,000 U	85,300	5,000 U	NA
Alkalinity, total	NC	NC	ug/L	422,000	362,000	621,000	291,000	149,000 T	517,000	NA

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-106	MW-107	MW-108	MW-109	MW-110		HMPSW
			Sample ID	QNSB-MW-106	QNSB-MW-107	QNSB-MW-108	QNSB-MW-109	QNSB-MW-110	QNSB-DUP-01	QNSB-HMPSW
			Sample Delivery Group	4802154801	4802154801	4802154801	4802154801	4802154401	4802154401	480-213407-1
			Sample Date	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/05/2023	12/05/2023	10/3/2023
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
General Chemistry (cont.)										
Ammonia as Nitrogen	NC	NC	ug/L	240	240	23	20 U	9.3 JT	22	NA
Biochemical Oxygen Demand	NC	NC	ug/L	2,300	2,000 U	2,100	2,000 U	7,700 BHT	3,500 B	NA
Bromide	NC	NC	ug/L	400 U	400 U	1,000 U	1,000 U	400 U	1,000 U	NA
Chemical Oxygen Demand	NC	NC	ug/L	27,500	10,000 U	10,000 UT	10,000 U	44,000 T	13,200	NA
Chloride	250,000	NC	ug/L	31,900	35,400	128,000	113,000	38,100 T	107,000	NA
Cyanide	200	NC	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	NA
Nitrate as Nitrogen	10,000	NC	ug/L	610	21 J	150	1,600	37 J	50 U	NA
Orthophosphate	NC	NC	ug/L	45	41	20 U	50	58	38	NA
pH	NC	NC	su	7.3	7.8	7.3	7.8	9.3	7.7	NA
Phosphorus, total	NC	NC	ug/L	10 U	10 U	180	10 UT	10 U	10 U	NA
Sulfate	250,000	NC	ug/L	32,700	15,600	70,900	25,200	87,000 T	45,600	NA
Temperature	NC	NC	deg C	21.2	21.1	21.2	21.1	16.1	17	NA
Total Dissolved Solids	NC	NC	ug/L	506,000	399,000	835,000	480,000	445,000	727,000	NA
Total Suspended Solids (TSS)	NC	NC	ug/L	40,000 B	30,000 B	4,000 U	60,000 B	4,000 U	4,000 U	NA
Total Hardness as CaCO3	NC	NC	ug/L	500,000	360,000	800,000	300,000	40,000 T	450,000	NA
Total Kjeldahl Nitrogen	NC	NC	ug/L	470	300	310	200 U	510	200 U	NA
Total Organic Carbon	NC	NC	ug/L	2,000	830 J	3,000	1,000 U	8,300	3,300	NA
Total Organic Carbon - 2	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon - 3	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon - 4	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon - 5	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA

Notes:
deg C - Degrees Celsius.
pci/L - Picocuries per liter of air.
su -Standard units.
ug/L - Micrograms per liter.
ng/L - Nanograms per liter.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values with gray shading exceed the NYSDOH MCL.
Values shown in **bold** exceed the NYSDEC guidance value.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

B - Compound was found in the blank and sample
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
J+ - Estimated value, biased high.
J- - Estimated value, biased low.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
T - Indicates that a quality control parameter has exceeded laboratory limits.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-1	MW-3	MW-105S	MW-106S	MW-108S	MW-109S	
			Sample ID	MCLN-MW-01	QNSB-MW-03	QNSB-MW-105S	QNSB-MW-106S	QNSB-MW-108S	QNSB-MW-109S	DUP-01
			Sample Delivery Group	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591
			Sample Date	07/11/2024	07/09/2024	07/10/2024	07/10/2024	07/11/2024	07/09/2024	07/09/2024
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
1,4-Dioxane										
1,4-Dioxane	0.35	1	ug/L	NA	NA	0.33	0.20 U	0.20 U	0.20 U	0.20 U
PFAS										
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/L	NA	NA	18 UJ	19 UJ	6.5 U	5.8 U	6.4 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	NC	ng/L	NA	NA	110 UJ	120 UJ	40 U	36 U	40 U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	NC	ng/L	NA	NA	22 UJ	23 UJ	8.1 U	7.3 UJ	7.9 UJ
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	NC	ng/L	NA	NA	110 UJ	120 UJ	40 U	36 U	40 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/L	NA	NA	18 UJ	19 UJ	6.5 U	5.8 U	6.4 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/L	NA	NA	18 UJ	19 UJ	6.5 U	5.8 U	6.4 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/L	NA	NA	34 J	37 J	6.5 U	5.8 U	6.4 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/L	NA	NA	46 J	55 J	6.5 U	5.8 U	6.4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/L	NA	NA	18 UJ	19 UJ	6.5 U	5.8 U	6.4 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	NC	ng/L	NA	NA	44 UJ	46 UJ	16 U	15 U	16 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	NC	ng/L	NA	NA	44 UJ	46 UJ	16 U	15 U	16 U
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/L	NA	NA	8.9 UJ	9.3 UJ	3.2 U	2.9 U	3.2 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/L	NA	NA	18 UJ	19 UJ	6.5 U	5.8 U	6.4 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/L	NA	NA	8.9 UJ	9.3 UJ	3.2 U	2.9 U	3.2 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/L	NA	NA	8.9 UJ	9.3 UJ	3.2 U	2.9 U	3.2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/L	NA	NA	8.9 UJ	9.3 UJ	3.2 U	2.9 U	3.2 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/L	NA	NA	2.6 J	1.6 J	1.4 J	0.36 J	0.41 J
Perfluorobutanoic acid (PFBA)	NC	NC	ng/L	NA	NA	18 UJ	5.8 J	1.8 J	1.6 J	6.4 U
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluorododecane sulfonic acid (PFDoS)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	ng/L	NA	NA	2.0 J	1.8 J	0.52 J	1.5 U	1.6 U
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/L	NA	NA	4.4 UJ	14 J	1.6 U	1.5 U	1.6 U
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/L	NA	NA	9.9 J	3.9 J	1.8	0.95 J	0.78 J
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluorooctane sulfonic acid (PFOS)	2.7	10	ng/L	NA	NA	**7.3 J**	2.4 J	1.6 U	1.5 U	1.6 U
Perfluorooctanoic acid (PFOA)	6.7	10	ng/L	NA	NA	4.6 J	4.8 J	0.93 J	1.5 U	1.6 U
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/L	NA	NA	4.4 UJ	1.3 J	1.6 U	1.5 U	1.6 U
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/L	NA	NA	8.6 J	3.1 J	1.8 J	1.1 J	1.1 J
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 UJ	1.5 U	1.6 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/L	NA	NA	4.4 UJ	4.6 UJ	1.6 U	1.5 U	1.6 U
Total PFAS	NC	NC	ng/L	NA	NA	115.0	130.7	8.25	4.01	2.29
VOCs										
1,1,1-Trichloroethane	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-1	MW-3	MW-105S	MW-106S	MW-108S	MW-109S		
			Sample ID	MCLN-MW-01	QNSB-MW-03	QNSB-MW-105S	QNSB-MW-106S	QNSB-MW-108S	QNSB-MW-109S	DUP-01	
			Sample Delivery Group	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591	
			Sample Date	07/11/2024	07/09/2024	07/10/2024	07/10/2024	07/11/2024	07/09/2024	07/09/2024	
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**							
VOCs (cont.)											
1,2,4-Trichlorobenzene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,2-Dibromo-3-chloropropane	0.04	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,2-Dibromoethane	0.0006	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,2-Dichlorobenzene	3	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,2-Dichloroethane	0.6	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,2-Dichloropropane	1	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,3-Dichlorobenzene	3	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,4-Dichlorobenzene	3	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
2-Butanone	50	NC	ug/L	NA	NA	10 U	10 U	10 U	10 U	10 U	
2-Hexanone	50	NC	ug/L	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
4-Methyl-2-pentanone	NC	NC	ug/L	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Acetone	50	NC	ug/L	NA	NA	3.8 J	3.9 J	10 U	10 U	3.2 J	
Benzene	1	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Bromodichloromethane	50	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Bromoform	50	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Bromomethane	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Carbon disulfide	60	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Carbon tetrachloride	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Chlorobenzene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Chloroethane	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Chloroform	7	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Chloromethane	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
cis-1,2-Dichloroethene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
cis-1,3-Dichloropropene	0.4	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Cyclohexane	NC	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Dibromochloromethane	50	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Dichlorodifluoromethane (Freon 12)	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Ethylbenzene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Isopropylbenzene (Cumene)	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Methyl acetate	NC	NC	ug/L	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	
Methyl tert-butyl ether (MTBE)	10	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Methylcyclohexane	NC	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Methylene chloride	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Styrene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Tetrachloroethene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Toluene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
trans-1,2-Dichloroethene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
trans-1,3-Dichloropropene	0.4	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Trichloroethene	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Trichlorofluoromethane (Freon 11)	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Vinyl chloride	2	NC	ug/L	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Xylenes, total	5	NC	ug/L	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	
SVOCs											
1,1'-Biphenyl	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
2,2'-Oxybis(1-chloropropane)	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
2,4,5-Trichlorophenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
2,4,6-Trichlorophenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
2,4-Dichlorophenol	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
2,4-Dimethylphenol	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-1	MW-3	MW-105S	MW-106S	MW-108S	MW-109S	
			Sample ID	MCLN-MW-01	QNSB-MW-03	QNSB-MW-105S	QNSB-MW-106S	QNSB-MW-108S	QNSB-MW-109S	DUP-01
			Sample Delivery Group	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591
			Sample Date	07/11/2024	07/09/2024	07/10/2024	07/10/2024	07/11/2024	07/09/2024	07/09/2024
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
SVOCs (cont.)										
2,4-Dinitrophenol	10	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Acetophenone	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Atrazine	7.5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.002	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.002	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether	1	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Carbazole	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.04	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	5	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/L	NA	NA	NA	NA	NA	NA	NA

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-1	MW-3	MW-105S	MW-106S	MW-108S	MW-109S		
			Sample ID	MCLN-MW-01	QNSB-MW-03	QNSB-MW-105S	QNSB-MW-106S	QNSB-MW-108S	QNSB-MW-109S	DUP-01	
			Sample Delivery Group	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591	
			Sample Date	07/11/2024	07/09/2024	07/10/2024	07/10/2024	07/11/2024	07/09/2024	07/09/2024	
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**							
SVOCs (cont.)											
Isophorone	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	10	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Nitrobenzene	0.4	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
n-Nitroso-di-n-propylamine	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
N-Nitrosodiphenylamine	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Pentachlorophenol	1	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Phenanthrene	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Phenol	1	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Pyrene	50	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
PCBs											
Aroclor-1016	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1221	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1232	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1242	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1248	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1254	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1260	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Total PCBs	0.09	NC	ug/L	NA	NA	NA	NA	NA	NA	NA	
Metals											
Aluminum	NC	NC	ug/L	5,900	1,000	1,300	3,100	200 U	200 U	NA	
Antimony	3	NC	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	NA	
Arsenic	25	NC	ug/L	8.2 J	15 U	15 U	15 U	6.6 J	15 U	NA	
Barium	1,000	NC	ug/L	110	190	94	160	67	92	NA	
Beryllium	3	NC	ug/L	2.0 U	2.0 U	2.0 U	0.55 J	2.0 U	2.0 U	NA	
Boron	1,000	NC	ug/L	180	210	120	78	20 U	20 U	NA	
Cadmium	5	NC	ug/L	0.60 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	
Calcium	NC	NC	ug/L	233,000	182,000	399,000	475,000	82,300	83,500	NA	
Chromium	50	NC	ug/L	17	6.3	7.1	17	3.3 J	4.0 U	NA	
Cobalt	NC	NC	ug/L	14	11	19	47	4.0 U	4.0 U	NA	
Copper	200	NC	ug/L	30	17	6.0 J	13	20	10 U	NA	
Iron	300	NC	ug/L	**9,200**	**4,300**	**3,500**	**7,600**	**700**	**470**	NA	
Lead	25	NC	ug/L	8.7 J	5.9 J	10 U	10	5.6 J	10 U	NA	
Magnesium	35,000	NC	ug/L	**55,200**	**60,100**	34,300	**80,600**	24,900	24,600	NA	
Manganese	300	NC	ug/L	**2,100 B**	**1,200**	**1,000**	**1,800**	190 B	230	NA	
Mercury	0.7	NC	ug/L	0.080 J	0.087 J	0.14 J	0.20 J	0.20 U	1.0 U	NA	
Nickel	100	NC	ug/L	19	26	12	23	10 U	10 U	NA	
Potassium	NC	NC	ug/L	4,300	11,600	2,100	3,000	1,800	2,500	NA	
Selenium	10	NC	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	NA	
Silver	50	NC	ug/L	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	NA	
Sodium	20,000	NC	ug/L	13,100	**45,400**	**90,200**	10,700	**47,800**	**50,300**	NA	
Thallium	0.5	NC	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	NA	
Vanadium	NC	NC	ug/L	14	2.3 J	3.8 J	13	5.0 U	5.0 U	NA	
Zinc	2,000	NC	ug/L	100 B	100	44	50	89 B	10 U	NA	
Radiological											
Tritium (Hydrogen-3)	NC	NC	pci/L	NA	NA	NA	NA	NA	NA	NA	
General Chemistry											
Alkalinity, bicarbonate	NC	NC	ug/L	724,000 B	632,000	463,000 B	275,000 B	254,000 B	225,000	NA	
Alkalinity, carbonate	NC	NC	ug/L	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	NA	
Alkalinity, total	NC	NC	ug/L	724,000 B	632,000	463,000 B	275,000 B	254,000 B	225,000	NA	

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-1	MW-3	MW-105S	MW-106S	MW-108S	MW-109S	
			Sample ID	MCLN-MW-01	QNSB-MW-03	QNSB-MW-105S	QNSB-MW-106S	QNSB-MW-108S	QNSB-MW-109S	DUP-01
			Sample Delivery Group	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591	4802214591
			Sample Date	07/11/2024	07/09/2024	07/10/2024	07/10/2024	07/11/2024	07/09/2024	07/09/2024
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**						
General Chemistry (cont.)										
Ammonia as Nitrogen	NC	NC	ug/L	170	3200	240	200	20 U	28	NA
Biochemical Oxygen Demand	NC	NC	ug/L	8,600	6,000 U	3,100 B	4,100	2,000 U	6,000 U	NA
Bromide	NC	NC	ug/L	1,000 U	930 J	1,000 U	400 U	360 J	400 U	NA
Chemical Oxygen Demand	NC	NC	ug/L	76,700	66,200 T	27,500	8,600 J	10,000 U	20,300	NA
Chloride	250,000	NC	ug/L	5,700	66,000	108,000	14,100	109,000	126,000	NA
Cyanide	200	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Nitrate as Nitrogen	10,000	NC	ug/L	50 U	820	2,000	8,600	160	50 U	NA
Orthophosphate	NC	NC	ug/L	55	110	20 U	20 U	8.6 J	20 U	NA
pH	NC	NC	su	6.5	6.8	7.3	7.1	7.3	7.4	NA
Phosphorus, total	NC	NC	ug/L	160	250 B	4,800	4,200	10 U	45 B	NA
Sulfate	250,000	NC	ug/L	29,000	75,700	11,600	26,400	28,600	23,900	NA
Temperature	NC	NC	deg C	16	17.3	19.7	19.9	16.1	17.7	NA
Total Dissolved Solids	NC	NC	ug/L	736,000	842,000 B	488,000	336,000	441,000 HT	458,000 B	NA
Total Suspended Solids (TSS)	NC	NC	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Hardness as CaCO3	NC	NC	ug/L	940,000	740,000	1,600,000	1,050,000	320,000	360,000	NA
Total Kjeldahl Nitrogen	NC	NC	ug/L	1,800	3,300	2,400	2,000	200 UT	200 U	NA
Total Organic Carbon	NC	NC	ug/L	16,800	10,500	3,200	5,400	1,000 U	880 J	NA
Total Organic Carbon - 2	NC	NC	ug/L	18,700	10,300	3,400	5,900	1,000 U	890 J	NA
Total Organic Carbon - 3	NC	NC	ug/L	13,500	10,200 B	3,300	5,200	1,000 U	920 J	NA
Total Organic Carbon - 4	NC	NC	ug/L	19,900	10,900	3,000	5,500	1,000 U	870 J	NA
Total Organic Carbon - 5	NC	NC	ug/L	15,000	10,700	3,000	5,000	1,000 U	830 J	NA

Notes:
deg C - Degrees Celsius.
pci/L - Picocuries per liter of air.
su -Standard units.
ug/L - Micrograms per liter.
ng/L - Nanograms per liter.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values with gray shading exceed the NYSDOH MCL.
Values shown in **bold** exceed the NYSDEC guidance value.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

B - Compound was found in the blank and sample
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
J+ - Estimated value, biased high.
J- - Estimated value, biased low.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
T - Indicates that a quality control parameter has exceeded laboratory limits.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-110S	MW-111S	MW-112S
			Sample ID	QNSB-MW-110S	QNSB-MW-111S	QNSB-MW-112S
			Sample Delivery Group	4802214591	4802214591	4802214591
			Sample Date	07/10/2024	07/10/2024	07/10/2024
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**		
1,4-Dioxane						
1,4-Dioxane	0.35	1	ug/L	0.21 U	0.20 U	0.20 U
PFAS						
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/L	6.4 U	6.4 U	6.4 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	NC	ng/L	40 U	40 U	40 U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	NC	ng/L	7.9 UJ	8.0 UJ	8.0 UJ
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	NC	ng/L	40 U	40 U	40 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/L	6.4 U	6.4 U	6.4 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/L	6.4 U	6.4 U	6.4 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/L	6.4 U	6.4 U	6.4 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/L	6.4 U	6.4 U	6.4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/L	6.4 U	6.4 U	6.4 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	NC	ng/L	16 U	16 U	16 U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	NC	ng/L	16 U	16 U	16 U
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/L	3.2 U	3.2 U	3.2 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/L	6.4 U	6.4 U	6.4 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/L	3.2 U	3.2 U	3.2 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/L	3.2 U	3.2 U	3.2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/L	3.2 U	3.2 U	3.2 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/L	1.6 U	1.6 U	0.76 J
Perfluorobutanoic acid (PFBA)	NC	NC	ng/L	6.4 U	6.4 U	6.4 U
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorododecane sulfonic acid (PFDoS)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluoroheptanoic acid (PFHpA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/L	1.6 U	1.6 U	0.68 J
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorooctane sulfonic acid (PFOS)	2.7	10	ng/L	1.6 U	1.6 U	1.6 U
Perfluorooctanoic acid (PFOA)	6.7	10	ng/L	1.6 U	1.6 U	1.6 U
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/L	3.2 U	3.2 U	3.2 U
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/L	1.6 U	1.6 U	1.6 U
Total PFAS	NC	NC	ng/L	--	--	1.44
VOCs						
1,1,1-Trichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	NC	ug/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-110S	MW-111S	MW-112S
			Sample ID	QNSB-MW-110S	QNSB-MW-111S	QNSB-MW-112S
			Sample Delivery Group	4802214591	4802214591	4802214591
			Sample Date	07/10/2024	07/10/2024	07/10/2024
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**		
VOCs (cont.)						
1,2,4-Trichlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	NC	ug/L	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	0.0006	NC	ug/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	NC	ug/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	NC	ug/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U
2-Butanone	50	NC	ug/L	10 U	10 U	10 U
2-Hexanone	50	NC	ug/L	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NC	NC	ug/L	5.0 U	5.0 U	5.0 U
Acetone	50	NC	ug/L	10 U	10 U	3.3 J
Benzene	1	NC	ug/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U
Bromoform	50	NC	ug/L	1.0 U	1.0 U	1.0 U
Bromomethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	NC	ug/L	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Chloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Chloroform	7	NC	ug/L	1.0 U	1.0 U	1.0 U
Chloromethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U
Cyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	NC	ug/L	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether (MTBE)	10	NC	ug/L	1.0 U	1.0 U	1.0 U
Methylcyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U
Methylene chloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Styrene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Toluene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U
Trichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/L	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	NC	ug/L	1.0 U	1.0 U	1.0 U
Xylenes, total	5	NC	ug/L	2.0 U	2.0 U	2.0 U
SVOCs						
1,1'-Biphenyl	5	NC	ug/L	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	5	NC	ug/L	NA	NA	NA
2,4,5-Trichlorophenol	NC	NC	ug/L	NA	NA	NA
2,4,6-Trichlorophenol	NC	NC	ug/L	NA	NA	NA
2,4-Dichlorophenol	5	NC	ug/L	NA	NA	NA
2,4-Dimethylphenol	50	NC	ug/L	NA	NA	NA

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-110S	MW-111S	MW-112S
			Sample ID	QNSB-MW-110S	QNSB-MW-111S	QNSB-MW-112S
			Sample Delivery Group	4802214591	4802214591	4802214591
			Sample Date	07/10/2024	07/10/2024	07/10/2024
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**		
SVOCs (cont.)						
2,4-Dinitrophenol	10	NC	ug/L	NA	NA	NA
2,4-Dinitrotoluene	5	NC	ug/L	NA	NA	NA
2,6-Dinitrotoluene	5	NC	ug/L	NA	NA	NA
2-Chloronaphthalene	10	NC	ug/L	NA	NA	NA
2-Chlorophenol	NC	NC	ug/L	NA	NA	NA
2-Methylnaphthalene	NC	NC	ug/L	NA	NA	NA
2-Methylphenol	NC	NC	ug/L	NA	NA	NA
2-Nitroaniline	5	NC	ug/L	NA	NA	NA
2-Nitrophenol	NC	NC	ug/L	NA	NA	NA
3,3'-Dichlorobenzidine	5	NC	ug/L	NA	NA	NA
3-Nitroaniline	5	NC	ug/L	NA	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	NA	NA	NA
4-Bromophenyl phenyl ether	NC	NC	ug/L	NA	NA	NA
4-Chloro-3-methylphenol	NC	NC	ug/L	NA	NA	NA
4-Chloroaniline	5	NC	ug/L	NA	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	ug/L	NA	NA	NA
4-Methylphenol	NC	NC	ug/L	NA	NA	NA
4-Nitroaniline	5	NC	ug/L	NA	NA	NA
4-Nitrophenol	NC	NC	ug/L	NA	NA	NA
Acenaphthene	20	NC	ug/L	NA	NA	NA
Acenaphthylene	NC	NC	ug/L	NA	NA	NA
Acetophenone	NC	NC	ug/L	NA	NA	NA
Anthracene	50	NC	ug/L	NA	NA	NA
Atrazine	7.5	NC	ug/L	NA	NA	NA
Benzaldehyde	NC	NC	ug/L	NA	NA	NA
Benzo(a)anthracene	0.002	NC	ug/L	NA	NA	NA
Benzo(a)pyrene	0	NC	ug/L	NA	NA	NA
Benzo(b)fluoranthene	0.002	NC	ug/L	NA	NA	NA
Benzo(g,h,i)perylene	NC	NC	ug/L	NA	NA	NA
Benzo(k)fluoranthene	0.002	NC	ug/L	NA	NA	NA
Bis(2-chloroethoxy)methane	5	NC	ug/L	NA	NA	NA
Bis(2-chloroethyl) ether	1	NC	ug/L	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	NC	ug/L	NA	NA	NA
Butylbenzylphthalate	50	NC	ug/L	NA	NA	NA
Caprolactam	NC	NC	ug/L	NA	NA	NA
Carbazole	NC	NC	ug/L	NA	NA	NA
Chrysene	0.002	NC	ug/L	NA	NA	NA
Dibenz(a,h)anthracene	NC	NC	ug/L	NA	NA	NA
Dibenzofuran	NC	NC	ug/L	NA	NA	NA
Diethyl phthalate	50	NC	ug/L	NA	NA	NA
Dimethylphthalate	50	NC	ug/L	NA	NA	NA
Di-n-butylphthalate	50	NC	ug/L	NA	NA	NA
Di-n-octylphthalate	NC	NC	ug/L	NA	NA	NA
Fluoranthene	50	NC	ug/L	NA	NA	NA
Fluorene	50	NC	ug/L	NA	NA	NA
Hexachlorobenzene	0.04	NC	ug/L	NA	NA	NA
Hexachlorobutadiene	0.5	NC	ug/L	NA	NA	NA
Hexachlorocyclopentadiene	5	NC	ug/L	NA	NA	NA
Hexachloroethane	5	NC	ug/L	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/L	NA	NA	NA

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-110S	MW-111S	MW-112S
			Sample ID	QNSB-MW-110S	QNSB-MW-111S	QNSB-MW-112S
			Sample Delivery Group	4802214591	4802214591	4802214591
			Sample Date	07/10/2024	07/10/2024	07/10/2024
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**		
SVOCs (cont.)						
Isophorone	50	NC	ug/L	NA	NA	NA
Naphthalene	10	NC	ug/L	NA	NA	NA
Nitrobenzene	0.4	NC	ug/L	NA	NA	NA
n-Nitroso-di-n-propylamine	NC	NC	ug/L	NA	NA	NA
N-Nitrosodiphenylamine	50	NC	ug/L	NA	NA	NA
Pentachlorophenol	1	NC	ug/L	NA	NA	NA
Phenanthrene	50	NC	ug/L	NA	NA	NA
Phenol	1	NC	ug/L	NA	NA	NA
Pyrene	50	NC	ug/L	NA	NA	NA
PCBs						
Aroclor-1016	NC	NC	ug/L	NA	NA	NA
Aroclor-1221	NC	NC	ug/L	NA	NA	NA
Aroclor-1232	NC	NC	ug/L	NA	NA	NA
Aroclor-1242	NC	NC	ug/L	NA	NA	NA
Aroclor-1248	NC	NC	ug/L	NA	NA	NA
Aroclor-1254	NC	NC	ug/L	NA	NA	NA
Aroclor-1260	NC	NC	ug/L	NA	NA	NA
Total PCBs	0.09	NC	ug/L	NA	NA	NA
Metals						
Aluminum	NC	NC	ug/L	200 U	61 J	92 J
Antimony	3	NC	ug/L	20 U	20 U	20 U
Arsenic	25	NC	ug/L	15 U	15 U	15 U
Barium	1,000	NC	ug/L	23	4.7	18
Beryllium	3	NC	ug/L	2.0 U	2.0 U	2.0 U
Boron	1,000	NC	ug/L	20 U	20 U	20 U
Cadmium	5	NC	ug/L	2.0 U	2.0 U	2.0 U
Calcium	NC	NC	ug/L	66,400	33,500	62,000
Chromium	50	NC	ug/L	1.0 J	4.0 U	1.0 J
Cobalt	NC	NC	ug/L	4.0 U	4.0 U	4.0 U
Copper	200	NC	ug/L	10 U	10 U	10 U
Iron	300	NC	ug/L	73	51	28 J
Lead	25	NC	ug/L	10 U	10 U	10 U
Magnesium	35,000	NC	ug/L	17,500	5,500	8,900
Manganese	300	NC	ug/L	54	9.7	26
Mercury	0.7	NC	ug/L	0.20 U	0.20 U	0.20 U
Nickel	100	NC	ug/L	10 U	10 U	10 U
Potassium	NC	NC	ug/L	1,000	360 J	6,100
Selenium	10	NC	ug/L	25 U	25 U	25 U
Silver	50	NC	ug/L	6.0 U	6.0 U	6.0 U
Sodium	20,000	NC	ug/L	1,700	2,200	13,100
Thallium	0.5	NC	ug/L	20 U	20 U	20 U
Vanadium	NC	NC	ug/L	5.0 U	5.0 U	5.0 U
Zinc	2,000	NC	ug/L	2.4 J	10 U	10 U
Radiological						
Tritium (Hydrogen-3)	NC	NC	pci/L	NA	NA	NA
General Chemistry						
Alkalinity, bicarbonate	NC	NC	ug/L	264,000 B	117,000 B	135,000 B
Alkalinity, carbonate	NC	NC	ug/L	5,000 U	5,000 U	5,000 U
Alkalinity, total	NC	NC	ug/L	264,000 B	117,000 B	135,000 B

Table 10
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Off-Site and Select On-Site Groundwater Sample Analytical Results

			Location ID	MW-110S	MW-111S	MW-112S
			Sample ID	QNSB-MW-110S	QNSB-MW-111S	QNSB-MW-112S
			Sample Delivery Group	4802214591	4802214591	4802214591
			Sample Date	07/10/2024	07/10/2024	07/10/2024
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**		
General Chemistry (cont.)						
Ammonia as Nitrogen	NC	NC	ug/L	20 UT	20 U	20 U
Biochemical Oxygen Demand	NC	NC	ug/L	2,000 U	2,000 U	2,000 U
Bromide	NC	NC	ug/L	400 U	200 U	200 U
Chemical Oxygen Demand	NC	NC	ug/L	12,300	10,000 U	10,000 U
Chloride	250,000	NC	ug/L	730 J	3,000	16,500
Cyanide	200	NC	ug/L	NA	NA	NA
Nitrate as Nitrogen	10,000	NC	ug/L	1,700	1,000	5,100
Orthophosphate	NC	NC	ug/L	14 J	11 J	7.2 J
pH	NC	NC	su	7.4	7.4	7.5
Phosphorus, total	NC	NC	ug/L	10 U	10 U	10 U
Sulfate	250,000	NC	ug/L	11,100	3,000	18,800
Temperature	NC	NC	deg C	19.7	19.6	19.7
Total Dissolved Solids	NC	NC	ug/L	294,000	145,000	232,000
Total Suspended Solids (TSS)	NC	NC	ug/L	NA	NA	NA
Total Hardness as CaCO3	NC	NC	ug/L	280,000	130,000	220,000
Total Kjeldahl Nitrogen	NC	NC	ug/L	200 U	200 UT	200 U
Total Organic Carbon	NC	NC	ug/L	690 J	1,000 U	960 J
Total Organic Carbon - 2	NC	NC	ug/L	790 J	1,000 U	1,100
Total Organic Carbon - 3	NC	NC	ug/L	660 J	1,000 U	960 J
Total Organic Carbon - 4	NC	NC	ug/L	670 J	1,000 U	960 J
Total Organic Carbon - 5	NC	NC	ug/L	660 J	1,000 U	880 J

Notes:
deg C - Degrees Celsius.
pci/L - Picocuries per liter of air.
su -Standard units.
ug/L - Micrograms per liter.
ng/L - Nanograms per liter.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values with gray shading exceed the NYSDOH MCL.
Values shown in **bold** exceed the NYSDEC guidance value.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

B - Compound was found in the blank and sample
H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J - Estimated value.
J+ - Estimated value, biased high.
J- - Estimated value, biased low.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
T - Indicates that a quality control parameter has exceeded laboratory limits.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

Table 11
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of CSIA of 1,4-Dioxane Results

Location ID	Sample ID	Sample Date	1,4-Dioxane Results		
			Total (ug/l)	$\delta^{13}C$ (% VPDB)	$\delta^{2}H$ (% VSMOW)
MW-3	QNSB-MW-3	4/13/2022 & 12/12/2023[1]	5	-32.92	-6.595
MW-102	QNSB-MW-102	12/7/2023	0.92	-33.53	-81.5
MW-104	QNSB-MW-104	12/5/2023	1.1	-33.95	-65.28
MW-105	QNSB-MW-105	12/5/2023	0.9	-33.06	BAL
MW-106	QNSB-MW-106	12/6/2023	0.81	-32.93	137.3
MW-110	QNSB-MW-110	12/5/2023	2.7	-36.56	139.7
HMPSW	QNSB-HMPSW	10/3/2023 & 12/12/2023[2]	0.83	-33.57	-58.74

Notes

ug/l - Micrograms per Liter.

% VPDB - Parts Per Thousand Vienna Pee Dee Belemnite.

% VSMOW - Parts Per Thousand Vienna Standard Mean Ocean Water.

BAL - Below analytical limit.

CSIA - Compound Specific Isotope Analysis.

$\delta^{13}C$ - Carbon-13 Isotope Ratio 13C/12C in Environmental Sample Relative to Ratio of Known Isotopic Standard (VPDB).

$\delta^{2}H$ - Hydrogen-2 Isotope Ratio 2H/1H in Environmental Sample Relative to Ration of Known Isotopic Standard (VSMOW).

1 - Total 1,4-Dioxane sample was collected on 4/13/2022. CSIA of 1,4-Dioxane sample was collected on 12/12/2023.

2 - Total 1,4-Dioxane sample was collected on 10/3/2023. CSIA of 1,4-Dioxane sample was collected on 12/12/2023.

Total 1,4-Dioxane analysis was completed by Eurofins of Amherst, New York.

CSIA 1,4-Dioxane analysis was completed by the University of Waterloo, Canada.

Table 12
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Hydraulic Conductivity Data

Monitoring Well ID	Hydraulic Conductivity (cm/sec)	Hydraulic Conductivity (ft/day)	Slug Test Mode	Lithology/Geology/Hydrogeology of Screened or Open Hole Interval	Method[1]
BMW-101	3.19E-04	0.90	Falling Head	Fractured Mudstone. Groundwater assumed confined to discrete fractures.	Cooper, Bredehoeft, Papadopolus
	3.28E-04	0.93	Rising Head		Peres
BMW-102	2.27E-04	0.64	Falling Head	Fractured Mudstone. Groundwater assumed confined to discrete fractures.	Cooper, Bredehoeft, Papadopolus
	1.39E-04	0.40	Rising Head		Cooper, Bredehoeft, Papadopolus
MW-101	3.35E-02	94.9	Falling Head	Fine to coarse grained SAND, some gravel. Groundwater unconfined.	Springer and Gelhar
	1.54E-01	437.7	Rising Head		Dagan
MW-102	3.72E-02	105.3	Falling Head	Fine to coarse grained SAND. Groundwater unconfined.	Springer and Gelhar
	4.01E-02	113.6	Rising Head		Springer and Gelhar
MW-103	1.32E-01	374.5	Falling Head	Medium to coarse grained SAND with GRAVEL. Groundwater unconfined.	Dagan
	0.1211	343.3	Rising Head		Dagan
MW-104	1.18E-02	33.3	Falling Head	Fine to medium grained SAND. Groundwater unconfined.	KGS
	1.48E-02	41.8	Rising Head		Springer and Gelhar
MW-105	1.27E-02	35.9	Falling Head	Fine to coarse grained SAND. Groundwater unconfined.	KGS
	7.27E-03	20.6	Rising Head		Springer and Gelhar
MW-106	2.44E-02	69.1	Falling Head	Fine to coarse grained SAND. Groundwater unconfined.	Springer and Gelhar
	2.96E-02	83.8	Rising Head		Springer and Gelhar
MW-107	2.05E-02	58.1	Falling Head	Medium to coarse grained SAND. Groundwater unconfined.	Springer and Gelhar
	3.19E-02	90.5	Rising Head		Springer and Gelhar
MW-108	6.19E-03	17.6	Falling Head	Fine to medium grained SAND. Bottom 3 feet gray CLAY. Groundwater unconfined.	Springer and Gelhar
	6.65E-03	18.8	Rising Head		Springer and Gelhar

Table 12
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Hydraulic Conductivity Data

Monitoring Well ID	Hydraulic Conductivity (cm/sec)	Hydraulic Conductivity (ft/day)	Slug Test Mode	Lithology/Geology/Hydrogeology of Screened or Open Hole Interval	Method[1]
MW-109	2.22E-03	6.3	Falling Head	Fine to coarse grained SAND. Groundwater unconfined.	KGS
	2.63E-03	7.4	Rising Head		KGS
MW-110	1.06E-03	3.0	Falling Head	Fine to medium grained SAND. Groundwater unconfined.	KGS
	9.83E-04	2.8	Rising Head		KGS

	cm/sec	ft/day
Avg. Bedrock Hydraulic Conductivity	2.53E-04	0.72
Avg. Overburden Hydraulic Conductivity	3.45E-02	97.91

Notes:

Slug tests were completed on December 11 and 12, 2023.

1 - Method selected based on aquifer conditions, well construction, and aquifer response using guidance presented in *The Design, Performance and Analysis of Slug Tests* , James J. Butler, Jr., Lewis Publishers, Boca Raton, Fl, 1998.

cm/sec - Centimeters per second.

ft/day - Feet per day.

Table 13
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Supplemental Groundwater Sample Analytical Results

				Analyte	1,4-Dioxane	Boron	Alkalinity
				Unit	ug/L	ug/L	mg/L
				Class GA Value	0.35	1,000	NC
				NYSDOH MCL	1	NC	NC
Facility Name	**Monitoring Well ID**	**Sample ID**	**Lab Sample ID**	**Sample Date**	**Results**		
Queensbury Landfill	MW-1	QNSB-MW-1	25J0087-04	10/01/2025	0.21 U	15.2 J	380
	MW-2	QNSB-MW-2	25J0087-02	10/01/2025	0.2 U	30.7	610
		QNSB-DUP-03	25J0087-03	10/01/2025	0.2 U	31.2	530
	MW-3	QNSB-MW-3	25I2069-05	09/30/2025	**7.1**	258	580
	MW-4	QNSB-MW-4	25I2069-02	09/30/2025	0.2 U	14.6 J	200
	MW-5	QNSB-MW-5	25J0087-01	10/01/2025	0.2 U	11.4 J	240
McLaughlin Landfill	MW-01	QNSB-MCLN-MW-01	25I2069-06	09/30/2025	**0.61**	209	630
		QNSB-MCLN-DUP-01	25I2069-07	09/30/2025	**0.57**	206	630
	MW-05	QNSB-MCLN-MW-05	25J0087-05	10/01/2025	**0.48**	402	590
Off-Site Monitoring Wells	BMW-101	QNSB-BMW-101	25I1706-01	09/25/2025	0.21 U	20.2 J	84
	BMW-102	QNSB-BMW-102	25I1934-03	09/29/2025	0.21 U	22.6 J	270
	MW-101	QNSB-MW-101	25I1899-02	09/26/2025	**0.86**	62.4	500
	MW-102	QNSB-MW-102	25I1899-01	09/26/2025	**0.79**	72.3	540
	MW-103	QNSB-MW-103	25I1899-04	09/26/2025	0.21 U	11.8 J	290
	MW-104	QNSB-MW-104	25I2069-03	09/30/2025	**0.75**	215	510
	MW-105	QNSB-MW-105	25I2069-01	09/30/2025	**1.0**	374	510
	MW-105S	QNSB-MW-105S	25I1934-04	09/29/2025	0.32	136	400
	MW-106	QNSB-MW-106	25I1934-01	09/29/2025	**1.1**	87.6	480
	MW-106S	QNSB-MW-106S	25I1899-03	09/26/2025	0.20 U	42.3	340
	MW-107	QNSB-MW-107	25I1934-02	09/29/2025	**0.57**	34.7	340
	MW-108	QNSB-MW-108	25I2069-04	09/30/2025	**1.4**	538	590
	MW-108S	QNSB-MW-108S	25I1600-02	09/24/2025	0.20 U	10.8 J	220
	MW-109	QNSB-MW-109	25I1600-01	09/24/2025	0.21 U	26.3 J	290
	MW-109S	QNSB-MW-109S	25I1706-02	09/25/2025	0.20 U	9.1 J	210
	MW-110	QNSB-MW-110	25I1463-01	09/23/2025	**2.2**	403	550
		QNSB-DUP-01	25I1463-03	09/23/2025	**2.1**	351	580
	MW-110S	QNSB-MW-110S	25I1463-02	09/23/2025	0.20 U	7 J	610
	MW-111S	QNSB-MW-111S	25I1463-04	09/23/2025	0.20 U	6 J	130
	MW-112S	QNSB-MW-112S	25I1899-05	09/26/2025	0.20 U	9.5 J	160

Notes:
mg/L - Milligrams per liter.
ug/L - Micrograms per liter.

J - Estimated value.
U - Analyte was not detected at specified quantitation limit.

NYSDEC Class GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values shown in **bold** exceed the NYSDEC guidance value.
Values with gray shading exceed the NYSDOH MCL.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-CBGY-EB-01	QNSB-CBGY-EB-02	QNSB-MW-110 EB	QNSB-MW-104 EB	QNSB-MW-108 EB
			Sample Delivery Group	22F1364	22F1364	4802138591	4802138591	4802138591
			Sample Date	06/21/2022	06/21/2022	10/17/2023	10/19/2023	10/19/2023
			Sample Equipment:	Submersible Pump	Submersible Pump	Core Barrel	Drill Bit	Drill Bit
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
1,4-Dioxane								
1,4-Dioxane	0.35	1	ug/L	0.032 U	0.032 U	0.23 U	0.22 U	0.13 J
PFAS								
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/L	0.58 U	0.59 U	7.8 U	7.8 U	7.7 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	NC	ng/L	NA	NA	49 U	49 U	48 U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	NC	ng/L	NA	NA	9.7 U	9.7 U	9.6 U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	NC	ng/L	NA	NA	49 U	49 U	48 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/L	0.32 U	0.32 U	7.8 U	7.8 U	7.7 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/L	0.26 U	0.26 U	7.8 U	7.8 U	7.7 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/L	21	0.34 U	7.8 U	7.8 U	7.7 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/L	0.55 U	0.56 J	7.8 U	7.8 U	7.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/L	0.36 U	0.36 U	7.8 U	7.8 U	7.7 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	ng/L	NA	NA	1.9 UJ	1.9 UJ	1.9 UJ
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	NC	ng/L	NA	NA	19 UJ	19 UJ	19 UJ
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/L	NA	NA	1.9 U	1.9 U	1.9 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/L	NA	NA	3.9 UJ	3.9 UJ	3.8 UJ
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	NC	ng/L	NA	NA	19 UJ	19 UJ	19 UJ
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	NC	ng/L	NA	NA	1.9 U	1.9 U	1.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/L	0.21 U	0.21 U	3.9 U	3.9 U	3.8 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/L	0.22 U	0.22 U	7.8 U	7.8 U	7.7 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/L	0.25 U	0.25 U	3.9 UJ	3.9 UJ	3.8 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/L	0.38 U	0.38 U	3.9 U	3.9 U	3.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/L	0.31 U	0.32 U	3.9 U	3.9 U	3.8 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/L	0.26 U	0.26 U	1.9 U	1.9 U	1.9 U
Perfluorobutanoic acid (PFBA)	NC	NC	ng/L	0.68 U	0.69 U	7.8 U	7.8 U	7.7 U
Perfluorobutylsulfonamide (FBSA)	NC	NC	ng/L	0.17 U	0.18 U	NA	NA	NA
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/L	0.3 U	0.3 U	1.9 U	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/L	0.45 U	0.45 U	1.9 U	1.9 U	1.9 U
Perfluorododecane sulfonic acid (PFDoS)	NC	NC	ng/L	NA	NA	1.9 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/L	0.4 U	0.41 U	1.9 U	1.9 U	1.9 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	10	ng/L	0.86 U	0.87 U	1.9 U	1.9 U	1.9 U
Perfluoroheptanoic acid (PFHpA)	NC	10	ng/L	0.31 U	0.32 U	1.9 U	1.9 U	1.9 U
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/L	0.31 U	0.31 U	1.9 U	1.9 U	1.9 U
Perfluorohexanesulfonamide (FHxSA)	NC	NC	ng/L	0.28 UJ	0.29 UJ	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/L	0.62 J	0.36 U	1.9 U	1.9 U	1.9 U
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/L	0.15 U	0.16 U	1.9 U	1.9 U	1.9 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/L	0.32 U	0.32 U	1.9 U	1.9 U	1.9 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/L	0.38 U	0.39 U	1.9 U	1.9 U	1.9 U
Perfluorooctane sulfonic acid (PFOS)	2.7	NC	ng/L	0.55 U	1.3 J	1.9 U	1.9 U	1.9 U
Perfluorooctanoic acid (PFOA)	6.7	NC	ng/L	0.62 U	0.63 U	1.9 U	1.9 U	1.9 U
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/L	0.23 U	0.24 U	1.9 U	1.9 U	1.9 U
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/L	1.3 J	0.36 U	3.9 U	3.9 U	3.8 U
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/L	0.33 U	0.34 U	1.9 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/L	0.25 U	0.26 U	1.9 U	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/L	0.34 U	0.34 U	1.9 U	1.9 U	1.9 U
Total PFAS	NC	NC	ng/L	22.92	1.86	--	--	--
VOCs								
1,1,1-Trichloroethane	5	NC	ug/L	0.17 U	0.17 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC	ug/L	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-CBGY-EB-01	QNSB-CBGY-EB-02	QNSB-MW-110 EB	QNSB-MW-104 EB	QNSB-MW-108 EB
			Sample Delivery Group	22F1364	22F1364	4802138591	4802138591	4802138591
			Sample Date	06/21/2022	06/21/2022	10/17/2023	10/19/2023	10/19/2023
			Sample Equipment:	Submersible Pump	Submersible Pump	Core Barrel	Drill Bit	Drill Bit
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
VOCs (cont.)								
1,1,2-Trichloroethane	1	NC	ug/L	0.18 UJ	0.18 UJ	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC	ug/L	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC	ug/L	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	NC	ug/L	0.3 UJ	0.3 UJ	NA	NA	NA
1,2,4-Trichlorobenzene	5	NC	ug/L	0.25 UJ	0.25 UJ	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	NC	ug/L	0.8 U	0.8 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	0.0006	NC	ug/L	0.17 UJ	0.17 UJ	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	NC	ug/L	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	NC	ug/L	0.31 U	0.31 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	NC	ug/L	0.18 U	0.18 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	NC	ug/L	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	NC	ug/L	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U
2-Butanone	50	NC	ug/L	1.6 U	1.6 U	10 U	10 U	10 U
2-Hexanone	50	NC	ug/L	1.1 U	1.1 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NC	NC	ug/L	1.3 U	1.3 U	5.0 U	5.0 U	5.0 U
Acetone	50	NC	ug/L	2 U	2 U	10 U	10 U	10 U
Benzene	1	NC	ug/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	5	NC	ug/L	0.31 UJ	0.31 UJ	NA	NA	NA
Bromodichloromethane	50	NC	ug/L	0.18 UJ	0.18 UJ	1.0 U	1.0 U	1.0 U
Bromoform	50	NC	ug/L	0.38 UJ	0.38 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	5	NC	ug/L	1.5 U	1.5 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	NC	ug/L	1.4 U	1.4 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	NC	ug/L	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	NC	ug/L	0.11 UJ	0.11 UJ	1.0 U	1.0 U	1.0 U
Chloroethane	5	NC	ug/L	0.32 U	0.32 U	1.0 U	1.0 U	1.0 U
Chloroform	7	NC	ug/L	0.17 U	0.17 U	1.0 U	1.7	1.0 U
Chloromethane	5	NC	ug/L	0.52 UJ	0.52 UJ	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	NC	ug/L	0.15 U	0.15 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	NC	ug/L	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NC	NC	ug/L	1.8 U	1.8 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	NC	ug/L	0.22 UJ	0.22 UJ	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	NC	ug/L	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	NC	ug/L	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	NC	ug/L	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	NC	ug/L	0.45 U	0.45 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether (MTBE)	10	NC	ug/L	0.17 U	0.17 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	NC	NC	ug/L	0.24 U	0.24 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	NC	ug/L	0.23 U	0.23 U	1.0 U	1.0 U	1.0 U
Styrene	5	NC	ug/L	0.11 UJ	0.11 UJ	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	NC	ug/L	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U
Toluene	5	NC	ug/L	0.22 U	0.22 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	NC	ug/L	0.17 U	0.17 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	NC	ug/L	0.17 U	0.17 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	NC	ug/L	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/L	0.18 U	0.18 U	1.0 U	1.0 U	1.0 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/L	0.23 U	0.23 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	NC	ug/L	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U
Xylenes, total	5	NC	ug/L	1 U	1 U	2.0 U	2.0 U	2.0 U

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-CBGY-EB-01	QNSB-CBGY-EB-02	QNSB-MW-110 EB	QNSB-MW-104 EB	QNSB-MW-108 EB
			Sample Delivery Group	22F1364	22F1364	4802138591	4802138591	4802138591
			Sample Date	06/21/2022	06/21/2022	10/17/2023	10/19/2023	10/19/2023
			Sample Equipment:	Submersible Pump	Submersible Pump	Core Barrel	Drill Bit	Drill Bit
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
Metals								
Aluminum	NC	NC	ug/L	15 UJ	15 UJ	NA	NA	NA
Antimony	3	NC	ug/L	8.9 UJ	8.9 UJ	NA	NA	NA
Arsenic	25	NC	ug/L	4.7 U	4.7 U	NA	NA	NA
Barium	1000	NC	ug/L	5.6 UJ	5.6 UJ	NA	NA	NA
Beryllium	3	NC	ug/L	1 U	1 U	NA	NA	NA
Boron	NC	NC	ug/L	NA	NA	NA	NA	NA
Cadmium	5	NC	ug/L	0.8 UJ	0.8 UJ	NA	NA	NA
Calcium	NC	NC	ug/L	160 J	110 U	NA	NA	NA
Chromium	50	NC	ug/L	2.5 UJ	2.5 UJ	NA	NA	NA
Cobalt	NC	NC	ug/L	1.4 U	1.4 U	NA	NA	NA
Copper	200	NC	ug/L	3.6 UJ	3.6 UJ	NA	NA	NA
Iron	300	NC	ug/L	19 U	19 UJ	NA	NA	NA
Lead	25	NC	ug/L	3 U	13 JH	NA	NA	NA
Magnesium	35000	NC	ug/L	9.5 U	9.5 U	NA	NA	NA
Manganese	300	NC	ug/L	1.7 UJ	1.7 UJ	NA	NA	NA
Mercury	0.7	NC	ug/L	0.04 U	0.04 U	NA	NA	NA
Nickel	100	NC	ug/L	8.8 U	8.8 U	NA	NA	NA
Potassium	NC	NC	ug/L	300 U	300 U	NA	NA	NA
Selenium	10	NC	ug/L	11 U	11 U	NA	NA	NA
Silver	50	NC	ug/L	3.2 U	3.2 U	NA	NA	NA
Sodium	20000	NC	ug/L	530 U	530 U	NA	NA	NA
Thallium	0.5	NC	ug/L	19 UJ	19 UJ	NA	NA	NA
Vanadium	NC	NC	ug/L	3.1 U	3.1 U	NA	NA	NA
Zinc	2000	NC	ug/L	4.2 U	4.2 U	NA	NA	NA
Pesticides								
2,4,5-T	35	NC	ug/L	0.025 U	0.024 U	NA	NA	NA
2,4,5-TP (Silvex)	0.26	NC	ug/L	0.01 U	0.01 U	NA	NA	NA
2,4-D	50	NC	ug/L	0.11 U	0.1 U	NA	NA	NA
2,4-DB	NC	NC	ug/L	0.17 U	0.17 U	NA	NA	NA
4,4'-DDD	0.3	NC	ug/L	0.0046 U	0.0044 U	NA	NA	NA
4,4'-DDE	0.2	NC	ug/L	0.0044 U	0.0042 U	NA	NA	NA
4,4'-DDT	0.2	NC	ug/L	0.004 U	0.0038 U	NA	NA	NA
Aldrin	0	NC	ug/L	0.0036 U	0.0034 U	NA	NA	NA
alpha-BHC	0.01	NC	ug/L	0.026 U	0.025 U	NA	NA	NA
alpha-Chlordane	0.05	NC	ug/L	0.018 U	0.018 U	NA	NA	NA
beta-BHC	0.04	NC	ug/L	0.022 U	0.021 U	NA	NA	NA
Dalapon	50	NC	ug/L	0.17 UJ	0.17 UJ	NA	NA	NA
delta-BHC	0.04	NC	ug/L	0.03 U	0.029 U	NA	NA	NA
Dicamba	0.44	NC	ug/L	0.015 U	0.015 U	NA	NA	NA
Dichloroprop	NC	NC	ug/L	0.19 U	0.19 U	NA	NA	NA
Dieldrin	0.004	NC	ug/L	0.00079 U	0.00076 U	NA	NA	NA
Dinoseb	NC	NC	ug/L	0.047 UJ	0.046 UJ	NA	NA	NA
Endosulfan I	NC	NC	ug/L	0.025 U	0.024 U	NA	NA	NA
Endosulfan II	NC	NC	ug/L	0.015 U	0.015 U	NA	NA	NA
Endosulfan sulfate	NC	NC	ug/L	0.015 U	0.014 U	NA	NA	NA
Endrin	0	NC	ug/L	0.016 U	0.015 U	NA	NA	NA
Endrin aldehyde	5	NC	ug/L	0.017 U	0.017 U	NA	NA	NA
Endrin ketone	5	NC	ug/L	0.015 U	0.014 U	NA	NA	NA
gamma-BHC (Lindane)	0.05	NC	ug/L	0.0044 U	0.0042 U	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-CBGY-EB-01	QNSB-CBGY-EB-02	QNSB-MW-110 EB	QNSB-MW-104 EB	QNSB-MW-108 EB
			Sample Delivery Group	22F1364	22F1364	4802138591	4802138591	4802138591
			Sample Date	06/21/2022	06/21/2022	10/17/2023	10/19/2023	10/19/2023
			Sample Equipment:	Submersible Pump	Submersible Pump	Core Barrel	Drill Bit	Drill Bit
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
Pesticides (cont.)								
gamma-Chlordane	0.05	NC	ug/L	0.019 U	0.019 U	NA	NA	NA
Heptachlor	0.04	NC	ug/L	0.0046 U	0.0044 U	NA	NA	NA
Heptachlor epoxide B	0.03	NC	ug/L	0.0033 U	0.0032 U	NA	NA	NA
MCPA	NC	NC	ug/L	9.5 U	9.3 U	NA	NA	NA
MCPP	NC	NC	ug/L	9.9 U	9.7 U	NA	NA	NA
Methoxychlor	35	NC	ug/L	0.054 U	0.052 U	NA	NA	NA
Toxaphene	0.06	NC	ug/L	0.32 U	0.31 U	NA	NA	NA
SVOCs								
1,1'-Biphenyl	5	NC	ug/L	R	R	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	5	NC	ug/L	0.65 U	0.65 U	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	5	NC	ug/L	0.69 U	0.68 U	NA	NA	NA
2,4,5-Trichlorophenol	NC	NC	ug/L	0.51 U	0.51 U	NA	NA	NA
2,4,6-Trichlorophenol	NC	NC	ug/L	0.45 U	0.45 U	NA	NA	NA
2,4-Dichlorophenol	5	NC	ug/L	0.48 U	0.47 U	NA	NA	NA
2,4-Dimethylphenol	50	NC	ug/L	0.7 U	0.69 U	NA	NA	NA
2,4-Dinitrophenol	10	NC	ug/L	8.1 U	8 U	NA	NA	NA
2,4-Dinitrotoluene	5	NC	ug/L	0.61 U	0.61 U	NA	NA	NA
2,6-Dinitrotoluene	5	NC	ug/L	0.52 U	0.51 U	NA	NA	NA
2-Chloronaphthalene	10	NC	ug/L	0.49 U	0.48 U	NA	NA	NA
2-Chlorophenol	NC	NC	ug/L	0.47 U	0.47 U	NA	NA	NA
2-Methylnaphthalene	NC	NC	ug/L	0.69 U	0.68 U	NA	NA	NA
2-Methylphenol	NC	NC	ug/L	0.47 U	0.47 U	NA	NA	NA
2-Nitroaniline	5	NC	ug/L	0.69 U	0.69 U	NA	NA	NA
2-Nitrophenol	NC	NC	ug/L	0.51 U	0.51 U	NA	NA	NA
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	ug/L	0.46 U	0.45 U	NA	NA	NA
3,3'-Dichlorobenzidine	5	NC	ug/L	0.71 U	0.7 U	NA	NA	NA
3-Nitroaniline	5	NC	ug/L	0.59 U	0.58 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	7 U	7 U	NA	NA	NA
4-Bromophenyl phenyl ether	NC	NC	ug/L	0.47 U	0.46 U	NA	NA	NA
4-Chloro-3-methylphenol	NC	NC	ug/L	0.56 U	0.55 U	NA	NA	NA
4-Chloroaniline	5	NC	ug/L	0.58 U	0.57 U	NA	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	ug/L	0.48 U	0.47 U	NA	NA	NA
4-Methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA
4-Nitroaniline	5	NC	ug/L	0.6 U	0.59 U	NA	NA	NA
4-Nitrophenol	NC	NC	ug/L	2.1 U	2.1 U	NA	NA	NA
Acenaphthene	20	NC	ug/L	0.52 U	0.51 U	NA	NA	NA
Acenaphthylene	NC	NC	ug/L	0.48 U	0.48 U	NA	NA	NA
Acetophenone	NC	NC	ug/L	0.53 U	0.53 U	NA	NA	NA
Anthracene	50	NC	ug/L	0.46 U	0.46 U	NA	NA	NA
Atrazine	7.5	NC	ug/L	R	R	NA	NA	NA
Benzaldehyde	NC	NC	ug/L	R	R	NA	NA	NA
Benzo(a)anthracene	0.002	NC	ug/L	0.41 U	0.4 U	NA	NA	NA
Benzo(a)pyrene	0	NC	ug/L	0.57 U	0.56 U	NA	NA	NA
Benzo(b)fluoranthene	0.002	NC	ug/L	0.47 U	0.47 U	NA	NA	NA
Benzo(g,h,i)perylene	NC	NC	ug/L	0.61 U	0.61 U	NA	NA	NA
Benzo(k)fluoranthene	0.002	NC	ug/L	0.49 U	0.48 U	NA	NA	NA
Bis(2-chloroethoxy)methane	5	NC	ug/L	0.46 U	0.45 U	NA	NA	NA
Bis(2-chloroethyl) ether	1	NC	ug/L	0.57 U	0.56 U	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	NC	ug/L	0.84 U	0.83 U	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-CBGY-EB-01	QNSB-CBGY-EB-02	QNSB-MW-110 EB	QNSB-MW-104 EB	QNSB-MW-108 EB
			Sample Delivery Group	22F1364	22F1364	4802138591	4802138591	4802138591
			Sample Date	06/21/2022	06/21/2022	10/17/2023	10/19/2023	10/19/2023
			Sample Equipment:	Submersible Pump	Submersible Pump	Core Barrel	Drill Bit	Drill Bit
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
SVOCs (cont.)								
Butylbenzylphthalate	50	NC	ug/L	0.67 U	0.67 U	NA	NA	NA
Caprolactam	NC	NC	ug/L	R	R	NA	NA	NA
Carbazole	NC	NC	ug/L	0.43 U	0.42 U	NA	NA	NA
Chrysene	0.002	NC	ug/L	0.4 U	0.39 U	NA	NA	NA
Dibenz(a,h)anthracene	NC	NC	ug/L	0.69 U	0.68 U	NA	NA	NA
Dibenzofuran	NC	NC	ug/L	0.49 U	0.48 U	NA	NA	NA
Diethyl phthalate	50	NC	ug/L	0.42 U	0.41 U	NA	NA	NA
Dimethylphthalate	50	NC	ug/L	0.38 U	0.37 U	NA	NA	NA
Di-n-butylphthalate	50	NC	ug/L	0.46 U	0.46 U	NA	NA	NA
Di-n-octylphthalate	NC	NC	ug/L	3.9 U	3.9 U	NA	NA	NA
Fluoranthene	50	NC	ug/L	0.43 U	0.43 U	NA	NA	NA
Fluorene	50	NC	ug/L	0.52 U	0.51 U	NA	NA	NA
Hexachlorobenzene	0.04	NC	ug/L	0.51 U	0.5 U	NA	NA	NA
Hexachlorobutadiene	0.5	NC	ug/L	0.77 U	0.77 U	NA	NA	NA
Hexachlorocyclopentadiene	5	NC	ug/L	3.7 UJ	3.6 UJ	NA	NA	NA
Hexachloroethane	5	NC	ug/L	0.74 U	0.73 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/L	0.74 U	0.73 U	NA	NA	NA
Isophorone	50	NC	ug/L	0.55 U	0.55 U	NA	NA	NA
Naphthalene	10	NC	ug/L	0.61 U	0.61 U	NA	NA	NA
Nitrobenzene	0.4	NC	ug/L	0.63 U	0.62 U	NA	NA	NA
n-Nitroso-di-n-propylamine	NC	NC	ug/L	0.61 U	0.61 U	NA	NA	NA
N-Nitrosodiphenylamine	50	NC	ug/L	0.38 U	0.38 U	NA	NA	NA
Pentachlorophenol	1	NC	ug/L	3.5 U	3.5 U	NA	NA	NA
Phenanthrene	50	NC	ug/L	0.48 U	0.47 U	NA	NA	NA
Phenol	1	NC	ug/L	0.23 U	0.23 U	NA	NA	NA
Pyrene	50	NC	ug/L	0.61 U	0.61 U	NA	NA	NA
PCBs								
Aroclor-1016	NC	NC	ug/L	0.054 U	0.052 U	NA	NA	NA
Aroclor-1221	NC	NC	ug/L	0.081 U	0.077 U	NA	NA	NA
Aroclor-1232	NC	NC	ug/L	0.074 U	0.071 U	NA	NA	NA
Aroclor-1242	NC	NC	ug/L	0.078 U	0.075 U	NA	NA	NA
Aroclor-1248	NC	NC	ug/L	0.09 U	0.087 U	NA	NA	NA
Aroclor-1254	NC	NC	ug/L	0.08 U	0.076 U	NA	NA	NA
Aroclor-1260	NC	NC	ug/L	0.063 U	0.061 U	NA	NA	NA
Aroclor-1262	NC	NC	ug/L	0.065 U	0.062 U	NA	NA	NA
Aroclor-1268	NC	NC	ug/L	0.079 U	0.076 U	NA	NA	NA
Total PCB Aroclors	0.9	NC						
Radiological								
Tritium (Hydrogen-3)	NC	NC	pci/L	NA	NA	NA	NA	NA
General Chemistry								
Alkalinity, bicarbonate	NC	NC	ug/L	NA	NA	NA	NA	NA
Alkalinity, carbonate	NC	NC	ug/L	NA	NA	NA	NA	NA
Alkalinity, total	NC	NC	ug/L	NA	NA	NA	NA	NA
Ammonia as Nitrogen	NC	NC	ug/L	NA	NA	NA	NA	NA
Biochemical Oxygen Demand	NC	NC	ug/L	NA	NA	NA	NA	NA
Bromide	NC	NC	ug/L	NA	NA	NA	NA	NA
Chemical Oxygen Demand	NC	NC	ug/L	NA	NA	NA	NA	NA
Chloride	250,000	NC	ug/L	NA	NA	NA	NA	NA
Cyanide	200	NC	ug/L	180 U	180 U	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-CBGY-EB-01	QNSB-CBGY-EB-02	QNSB-MW-110 EB	QNSB-MW-104 EB	QNSB-MW-108 EB
			Sample Delivery Group	22F1364	22F1364	4802138591	4802138591	4802138591
			Sample Date	06/21/2022	06/21/2022	10/17/2023	10/19/2023	10/19/2023
			Sample Equipment:	Submersible Pump	Submersible Pump	Core Barrel	Drill Bit	Drill Bit
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
General Chemistry (cont.)								
Nitrate as Nitrogen	10,000	NC	ug/L	NA	NA	NA	NA	NA
Orthophosphate	NC	NC	ug/L	NA	NA	NA	NA	NA
pH	NC	NC	ug/L	NA	NA	NA	NA	NA
Phosphorus, total	NC	NC	ug/L	NA	NA	NA	NA	NA
Sulfate	250,000	NC	ug/L	NA	NA	NA	NA	NA
Temperature	NC	NC	ug/L	NA	NA	NA	NA	NA
Total Dissolved Solids	NC	NC	ug/L	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NC	NC	ug/L	NA	NA	4,000 U	4,000 U	10,000
Total Hardness as CaCO3	NC	NC	ug/L	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NC	NC	ug/L	NA	NA	NA	NA	NA
Total Organic Carbon	NC	NC	ug/L	NA	NA	NA	NA	NA

Notes:
ug/L - Micrograms per liter.
ng/L - Nanograms per liter.

J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values shown in **bold** exceed the NYSDEC guidance value.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-BMW-101 EB	QNSB-BMW-102 EB	QNSB-MW-109 EB	QNSB-MW-107 EB	QNSB-MW-106 EB
			Sample Delivery Group	4802138591	4802138591	4802138591	4802143671	4802143671
			Sample Date	10/23/2023	10/24/2023	10/25/2023	10/30/2023	10/31/2023
			Sample Equipment:	Core Barrel	Core Barrel	Core Barrel	Core Barrel	Core Barrel
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
1,4-Dioxane								
1,4-Dioxane	0.35	1	ug/L	0.12 J	0.20 U	0.21 U	0.20 U	0.20 U
PFAS								
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/L	7.6 U	7.6 U	7.6 U	7.4 U	7.7 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	NC	ng/L	47 U	47 U	47 U	46 U	48 U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	NC	ng/L	9.5 U	9.5 U	9.4 U	9.3 U	9.6 U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	NC	ng/L	47 U	47 U	47 U	46 U	48 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/L	7.6 U	7.6 U	7.6 U	7.4 U	7.7 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/L	7.6 U	7.6 U	7.6 U	7.4 U	7.7 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/L	7.6 U	7.6 U	7.6 U	7.4 U	7.7 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/L	7.6 U	7.6 U	7.6 U	7.4 U	7.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/L	7.6 U	7.6 U	7.6 U	7.4 U	7.7 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	ng/L	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	NC	ng/L	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/L	3.8 UJ	3.8 UJ	3.8 UJ	3.7 UJ	3.8 UJ
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	NC	ng/L	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/L	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/L	7.6 U	7.6 U	7.6 U	7.4 U	7.7 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/L	3.8 UJ	3.8 UJ	3.8 UJ	3.7 UJ	3.8 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/L	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/L	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorobutanoic acid (PFBA)	NC	NC	ng/L	7.6 U	7.6 U	7.6 U	7.4 U	7.7 U
Perfluorobutylsulfonamide (FBSA)	NC	NC	ng/L	NA	NA	NA	NA	NA
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorododecane sulfonic acid (PFDoS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	10	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluoroheptanoic acid (PFHpA)	NC	10	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorohexanesulfonamide (FHxSA)	NC	NC	ng/L	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorooctane sulfonic acid (PFOS)	2.7	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorooctanoic acid (PFOA)	6.7	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/L	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Total PFAS	NC	NC	ng/L	--	--	--	--	--
VOCs								
1,1,1-Trichloroethane	5	NC	ug/L	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-BMW-101 EB	QNSB-BMW-102 EB	QNSB-MW-109 EB	QNSB-MW-107 EB	QNSB-MW-106 EB
			Sample Delivery Group	4802138591	4802138591	4802138591	4802143671	4802143671
			Sample Date	10/23/2023	10/24/2023	10/25/2023	10/30/2023	10/31/2023
			Sample Equipment:	Core Barrel	Core Barrel	Core Barrel	Core Barrel	Core Barrel
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
VOCs (cont.)								
1,1,2-Trichloroethane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	NC	ug/L	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	0.0006	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50	NC	ug/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone	NC	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Acetone	50	NC	ug/L	10 U	10 UJ	10 U	10 U	10 U
Benzene	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	5	NC	ug/L	NA	NA	NA	NA	NA
Bromodichloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	NC	ug/L	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	NC	ug/L	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	NC	ug/L	1.0 U	2.5	2.6	1.0 U	1.0 U
Chloromethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	NC	ug/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether (MTBE)	10	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, total	5	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-BMW-101 EB	QNSB-BMW-102 EB	QNSB-MW-109 EB	QNSB-MW-107 EB	QNSB-MW-106 EB
			Sample Delivery Group	4802138591	4802138591	4802138591	4802143671	4802143671
			Sample Date	10/23/2023	10/24/2023	10/25/2023	10/30/2023	10/31/2023
			Sample Equipment:	Core Barrel	Core Barrel	Core Barrel	Core Barrel	Core Barrel
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
Metals								
Aluminum	NC	NC	ug/L	NA	NA	NA	NA	NA
Antimony	3	NC	ug/L	NA	NA	NA	NA	NA
Arsenic	25	NC	ug/L	NA	NA	NA	NA	NA
Barium	1000	NC	ug/L	NA	NA	NA	NA	NA
Beryllium	3	NC	ug/L	NA	NA	NA	NA	NA
Boron	NC	NC	ug/L	NA	NA	NA	NA	NA
Cadmium	5	NC	ug/L	NA	NA	NA	NA	NA
Calcium	NC	NC	ug/L	NA	NA	NA	NA	NA
Chromium	50	NC	ug/L	NA	NA	NA	NA	NA
Cobalt	NC	NC	ug/L	NA	NA	NA	NA	NA
Copper	200	NC	ug/L	NA	NA	NA	NA	NA
Iron	300	NC	ug/L	NA	NA	NA	NA	NA
Lead	25	NC	ug/L	NA	NA	NA	NA	NA
Magnesium	35000	NC	ug/L	NA	NA	NA	NA	NA
Manganese	300	NC	ug/L	NA	NA	NA	NA	NA
Mercury	0.7	NC	ug/L	NA	NA	NA	NA	NA
Nickel	100	NC	ug/L	NA	NA	NA	NA	NA
Potassium	NC	NC	ug/L	NA	NA	NA	NA	NA
Selenium	10	NC	ug/L	NA	NA	NA	NA	NA
Silver	50	NC	ug/L	NA	NA	NA	NA	NA
Sodium	20000	NC	ug/L	NA	NA	NA	NA	NA
Thallium	0.5	NC	ug/L	NA	NA	NA	NA	NA
Vanadium	NC	NC	ug/L	NA	NA	NA	NA	NA
Zinc	2000	NC	ug/L	NA	NA	NA	NA	NA
Pesticides								
2,4,5-T	35	NC	ug/L	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	0.26	NC	ug/L	NA	NA	NA	NA	NA
2,4-D	50	NC	ug/L	NA	NA	NA	NA	NA
2,4-DB	NC	NC	ug/L	NA	NA	NA	NA	NA
4,4'-DDD	0.3	NC	ug/L	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NC	ug/L	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NC	ug/L	NA	NA	NA	NA	NA
Aldrin	0	NC	ug/L	NA	NA	NA	NA	NA
alpha-BHC	0.01	NC	ug/L	NA	NA	NA	NA	NA
alpha-Chlordane	0.05	NC	ug/L	NA	NA	NA	NA	NA
beta-BHC	0.04	NC	ug/L	NA	NA	NA	NA	NA
Dalapon	50	NC	ug/L	NA	NA	NA	NA	NA
delta-BHC	0.04	NC	ug/L	NA	NA	NA	NA	NA
Dicamba	0.44	NC	ug/L	NA	NA	NA	NA	NA
Dichloroprop	NC	NC	ug/L	NA	NA	NA	NA	NA
Dieldrin	0.004	NC	ug/L	NA	NA	NA	NA	NA
Dinoseb	NC	NC	ug/L	NA	NA	NA	NA	NA
Endosulfan I	NC	NC	ug/L	NA	NA	NA	NA	NA
Endosulfan II	NC	NC	ug/L	NA	NA	NA	NA	NA
Endosulfan sulfate	NC	NC	ug/L	NA	NA	NA	NA	NA
Endrin	0	NC	ug/L	NA	NA	NA	NA	NA
Endrin aldehyde	5	NC	ug/L	NA	NA	NA	NA	NA
Endrin ketone	5	NC	ug/L	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	0.05	NC	ug/L	NA	NA	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-BMW-101 EB	QNSB-BMW-102 EB	QNSB-MW-109 EB	QNSB-MW-107 EB	QNSB-MW-106 EB
			Sample Delivery Group	4802138591	4802138591	4802138591	4802143671	4802143671
			Sample Date	10/23/2023	10/24/2023	10/25/2023	10/30/2023	10/31/2023
			Sample Equipment:	Core Barrel	Core Barrel	Core Barrel	Core Barrel	Core Barrel
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
Pesticides (cont.)								
gamma-Chlordane	0.05	NC	ug/L	NA	NA	NA	NA	NA
Heptachlor	0.04	NC	ug/L	NA	NA	NA	NA	NA
Heptachlor epoxide B	0.03	NC	ug/L	NA	NA	NA	NA	NA
MCPA	NC	NC	ug/L	NA	NA	NA	NA	NA
MCPP	NC	NC	ug/L	NA	NA	NA	NA	NA
Methoxychlor	35	NC	ug/L	NA	NA	NA	NA	NA
Toxaphene	0.06	NC	ug/L	NA	NA	NA	NA	NA
SVOCs								
1,1'-Biphenyl	5	NC	ug/L	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	5	NC	ug/L	NA	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	5	NC	ug/L	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NC	NC	ug/L	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NC	NC	ug/L	NA	NA	NA	NA	NA
2,4-Dichlorophenol	5	NC	ug/L	NA	NA	NA	NA	NA
2,4-Dimethylphenol	50	NC	ug/L	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NC	ug/L	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	5	NC	ug/L	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	5	NC	ug/L	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NC	ug/L	NA	NA	NA	NA	NA
2-Chlorophenol	NC	NC	ug/L	NA	NA	NA	NA	NA
2-Methylnaphthalene	NC	NC	ug/L	NA	NA	NA	NA	NA
2-Methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA
2-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	NA
2-Nitrophenol	NC	NC	ug/L	NA	NA	NA	NA	NA
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	ug/L	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NC	ug/L	NA	NA	NA	NA	NA
3-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NC	NC	ug/L	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA
4-Chloroaniline	5	NC	ug/L	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	ug/L	NA	NA	NA	NA	NA
4-Methylphenol	NC	NC	ug/L	NA	NA	NA	NA	NA
4-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	NA
4-Nitrophenol	NC	NC	ug/L	NA	NA	NA	NA	NA
Acenaphthene	20	NC	ug/L	NA	NA	NA	NA	NA
Acenaphthylene	NC	NC	ug/L	NA	NA	NA	NA	NA
Acetophenone	NC	NC	ug/L	NA	NA	NA	NA	NA
Anthracene	50	NC	ug/L	NA	NA	NA	NA	NA
Atrazine	7.5	NC	ug/L	NA	NA	NA	NA	NA
Benzaldehyde	NC	NC	ug/L	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.002	NC	ug/L	NA	NA	NA	NA	NA
Benzo(a)pyrene	0	NC	ug/L	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.002	NC	ug/L	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NC	NC	ug/L	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	NC	ug/L	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	5	NC	ug/L	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether	1	NC	ug/L	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	NC	ug/L	NA	NA	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-BMW-101 EB	QNSB-BMW-102 EB	QNSB-MW-109 EB	QNSB-MW-107 EB	QNSB-MW-106 EB
			Sample Delivery Group	4802138591	4802138591	4802138591	4802143671	4802143671
			Sample Date	10/23/2023	10/24/2023	10/25/2023	10/30/2023	10/31/2023
			Sample Equipment:	Core Barrel	Core Barrel	Core Barrel	Core Barrel	Core Barrel
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
SVOCs (cont.)								
Butylbenzylphthalate	50	NC	ug/L	NA	NA	NA	NA	NA
Caprolactam	NC	NC	ug/L	NA	NA	NA	NA	NA
Carbazole	NC	NC	ug/L	NA	NA	NA	NA	NA
Chrysene	0.002	NC	ug/L	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NC	NC	ug/L	NA	NA	NA	NA	NA
Dibenzofuran	NC	NC	ug/L	NA	NA	NA	NA	NA
Diethyl phthalate	50	NC	ug/L	NA	NA	NA	NA	NA
Dimethylphthalate	50	NC	ug/L	NA	NA	NA	NA	NA
Di-n-butylphthalate	50	NC	ug/L	NA	NA	NA	NA	NA
Di-n-octylphthalate	NC	NC	ug/L	NA	NA	NA	NA	NA
Fluoranthene	50	NC	ug/L	NA	NA	NA	NA	NA
Fluorene	50	NC	ug/L	NA	NA	NA	NA	NA
Hexachlorobenzene	0.04	NC	ug/L	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NC	ug/L	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	5	NC	ug/L	NA	NA	NA	NA	NA
Hexachloroethane	5	NC	ug/L	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/L	NA	NA	NA	NA	NA
Isophorone	50	NC	ug/L	NA	NA	NA	NA	NA
Naphthalene	10	NC	ug/L	NA	NA	NA	NA	NA
Nitrobenzene	0.4	NC	ug/L	NA	NA	NA	NA	NA
n-Nitroso-di-n-propylamine	NC	NC	ug/L	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	50	NC	ug/L	NA	NA	NA	NA	NA
Pentachlorophenol	1	NC	ug/L	NA	NA	NA	NA	NA
Phenanthrene	50	NC	ug/L	NA	NA	NA	NA	NA
Phenol	1	NC	ug/L	NA	NA	NA	NA	NA
Pyrene	50	NC	ug/L	NA	NA	NA	NA	NA
PCBs								
Aroclor-1016	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1221	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1232	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1242	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1248	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1254	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1260	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1262	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1268	NC	NC	ug/L	NA	NA	NA	NA	NA
Total PCB Aroclors	0.9	NC						
Radiological								
Tritium (Hydrogen-3)	NC	NC	pci/L	NA	NA	NA	NA	NA
General Chemistry								
Alkalinity, bicarbonate	NC	NC	ug/L	NA	NA	NA	NA	NA
Alkalinity, carbonate	NC	NC	ug/L	NA	NA	NA	NA	NA
Alkalinity, total	NC	NC	ug/L	NA	NA	NA	NA	NA
Ammonia as Nitrogen	NC	NC	ug/L	NA	NA	NA	NA	NA
Biochemical Oxygen Demand	NC	NC	ug/L	NA	NA	NA	NA	NA
Bromide	NC	NC	ug/L	NA	NA	NA	NA	NA
Chemical Oxygen Demand	NC	NC	ug/L	NA	NA	NA	NA	NA
Chloride	250,000	NC	ug/L	NA	NA	NA	NA	NA
Cyanide	200	NC	ug/L	NA	NA	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-BMW-101 EB	QNSB-BMW-102 EB	QNSB-MW-109 EB	QNSB-MW-107 EB	QNSB-MW-106 EB
			Sample Delivery Group	4802138591	4802138591	4802138591	4802143671	4802143671
			Sample Date	10/23/2023	10/24/2023	10/25/2023	10/30/2023	10/31/2023
			Sample Equipment:	Core Barrel	Core Barrel	Core Barrel	Core Barrel	Core Barrel
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
General Chemistry (cont.)								
Nitrate as Nitrogen	10,000	NC	ug/L	NA	NA	NA	NA	NA
Orthophosphate	NC	NC	ug/L	NA	NA	NA	NA	NA
pH	NC	NC	ug/L	NA	NA	NA	NA	NA
Phosphorus, total	NC	NC	ug/L	NA	NA	NA	NA	NA
Sulfate	250,000	NC	ug/L	NA	NA	NA	NA	NA
Temperature	NC	NC	ug/L	NA	NA	NA	NA	NA
Total Dissolved Solids	NC	NC	ug/L	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NC	NC	ug/L	4,000 U	4,000 U	4,000 U	NA	4,000 U
Total Hardness as CaCO3	NC	NC	ug/L	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NC	NC	ug/L	NA	NA	NA	NA	NA
Total Organic Carbon	NC	NC	ug/L	NA	NA	NA	NA	NA

Notes:
ug/L - Micrograms per liter.
ng/L - Nanograms per liter.

J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values shown in **bold** exceed the NYSDEC guidance value.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-105 EB	QNSB-MW-103 EB	QNSB-MW-102 EB	QNSB-MW-101 EB	EB-01
			Sample Delivery Group	4802143671	4802143671	4802149121	4802149121	4802155281
			Sample Date	11/01/2023	11/06/2023	11/13/2023	11/14/2023	12/07/2023
			Sample Equipment:	Core Barrel	Core Barrel	Drill Bit	Drill Bit	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
1,4-Dioxane								
1,4-Dioxane	0.35	1	ug/L	0.20 U	0.20 U	0.20 U	0.23 U	0.21 U
PFAS								
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/L	7.4 U	7.5 U	7.8 U	7.4 U	7.0 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	NC	ng/L	46 U	47 U	49 U	46 U	44 U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	NC	ng/L	9.3 U	9.4 U	9.7 U	9.3 U	8.8 U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	NC	ng/L	46 U	47 U	49 U	46 U	44 U
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/L	7.4 U	7.5 U	7.8 U	7.4 U	7.0 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/L	7.4 U	7.5 U	7.8 U	7.4 U	7.0 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/L	7.4 U	7.5 U	7.8 U	7.4 U	7.0 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/L	7.4 U	7.5 U	7.8 U	7.4 U	7.0 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/L	7.4 U	7.5 U	7.8 U	7.4 U	7.0 U
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	ng/L	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.8 UJ
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	NC	ng/L	19 UJ	19 UJ	19 UJ	19 UJ	18 UJ
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/L	3.7 UJ	3.8 UJ	3.9 UJ	3.7 UJ	3.5 UJ
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	NC	ng/L	19 UJ	19 UJ	19 UJ	19 UJ	18 UJ
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/L	3.7 U	3.8 U	3.9 U	3.7 U	3.5 U
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/L	7.4 U	7.5 U	7.8 U	7.4 U	7.0 U
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/L	3.7 UJ	3.8 UJ	3.9 UJ	3.7 UJ	3.5 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/L	3.7 U	3.8 U	3.9 U	3.7 U	3.5 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/L	3.7 U	3.8 U	3.9 U	3.7 U	3.5 U
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorobutanoic acid (PFBA)	NC	NC	ng/L	7.4 U	7.5 U	7.8 U	7.4 U	7.0 U
Perfluorobutylsulfonamide (FBSA)	NC	NC	ng/L	NA	NA	NA	NA	NA
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorodecanoic acid (PFDA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorododecane sulfonic acid (PFDoS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluoroheptane sulfonic acid (PFHpS)	NC	10	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	NC	10	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorohexanesulfonamide (FHxSA)	NC	NC	ng/L	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/L	0.48 J	0.54 J	0.53 J	0.59 J	1.8 U
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorononanoic acid (PFNA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorooctane sulfonic acid (PFOS)	2.7	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorooctanoic acid (PFOA)	6.7	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/L	3.7 U	3.8 U	3.9 U	3.7 U	3.5 U
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/L	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Total PFAS	NC	NC	ng/L	0.48	0.54	0.53	0.59	--
VOCs								
1,1,1-Trichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-105 EB	QNSB-MW-103 EB	QNSB-MW-102 EB	QNSB-MW-101 EB	EB-01
			Sample Delivery Group	4802143671	4802143671	4802149121	4802149121	4802155281
			Sample Date	11/01/2023	11/06/2023	11/13/2023	11/14/2023	12/07/2023
			Sample Equipment:	Core Barrel	Core Barrel	Drill Bit	Drill Bit	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
VOCs (cont.)								
1,1,2-Trichloroethane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	NC	ug/L	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	NC	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	0.0006	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50	NC	ug/L	10 U	10 U	10 UT	10 UJ	10 UT
2-Hexanone	50	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NC	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50	NC	ug/L	10 U	10 U	10 UJ	10 U	10 U
Benzene	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	5	NC	ug/L	NA	NA	NA	NA	NA
Bromodichloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	NC	ug/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon tetrachloride	5	NC	ug/L	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Chlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	NC	ug/L	1.0 U	2.1	2.0	1.7	1.0 U
Chloromethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NC	NC	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	NC	ug/L	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	NC	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	NC	ug/L	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Methyl tert-butyl ether (MTBE)	10	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	NC	NC	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.6	1.0 U
Styrene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	NC	ug/L	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Xylenes, total	5	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-105 EB	QNSB-MW-103 EB	QNSB-MW-102 EB	QNSB-MW-101 EB	EB-01
			Sample Delivery Group	4802143671	4802143671	4802149121	4802149121	4802155281
			Sample Date	11/01/2023	11/06/2023	11/13/2023	11/14/2023	12/07/2023
			Sample Equipment:	Core Barrel	Core Barrel	Drill Bit	Drill Bit	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
Metals								
Aluminum	NC	NC	ug/L	NA	NA	NA	NA	200 U
Antimony	3	NC	ug/L	NA	NA	NA	NA	20 U
Arsenic	25	NC	ug/L	NA	NA	NA	NA	15 U
Barium	1000	NC	ug/L	NA	NA	NA	NA	2.0 U
Beryllium	3	NC	ug/L	NA	NA	NA	NA	2.0 U
Boron	NC	NC	ug/L	NA	NA	NA	NA	NA
Cadmium	5	NC	ug/L	NA	NA	NA	NA	2.0 U
Calcium	NC	NC	ug/L	NA	NA	NA	NA	500 U
Chromium	50	NC	ug/L	NA	NA	NA	NA	4.0 U
Cobalt	NC	NC	ug/L	NA	NA	NA	NA	4.0 U
Copper	200	NC	ug/L	NA	NA	NA	NA	10 U
Iron	300	NC	ug/L	NA	NA	NA	NA	50 U
Lead	25	NC	ug/L	NA	NA	NA	NA	10 U
Magnesium	35000	NC	ug/L	NA	NA	NA	NA	200 U
Manganese	300	NC	ug/L	NA	NA	NA	NA	3.0 U
Mercury	0.7	NC	ug/L	NA	NA	NA	NA	0.20 U
Nickel	100	NC	ug/L	NA	NA	NA	NA	10 U
Potassium	NC	NC	ug/L	NA	NA	NA	NA	500 UJ
Selenium	10	NC	ug/L	NA	NA	NA	NA	25 U
Silver	50	NC	ug/L	NA	NA	NA	NA	6.0 U
Sodium	20000	NC	ug/L	NA	NA	NA	NA	1000 U
Thallium	0.5	NC	ug/L	NA	NA	NA	NA	20 U
Vanadium	NC	NC	ug/L	NA	NA	NA	NA	5.0 U
Zinc	2000	NC	ug/L	NA	NA	NA	NA	10 U
Pesticides								
2,4,5-T	35	NC	ug/L	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	0.26	NC	ug/L	NA	NA	NA	NA	NA
2,4-D	50	NC	ug/L	NA	NA	NA	NA	NA
2,4-DB	NC	NC	ug/L	NA	NA	NA	NA	NA
4,4'-DDD	0.3	NC	ug/L	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NC	ug/L	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NC	ug/L	NA	NA	NA	NA	NA
Aldrin	0	NC	ug/L	NA	NA	NA	NA	NA
alpha-BHC	0.01	NC	ug/L	NA	NA	NA	NA	NA
alpha-Chlordane	0.05	NC	ug/L	NA	NA	NA	NA	NA
beta-BHC	0.04	NC	ug/L	NA	NA	NA	NA	NA
Dalapon	50	NC	ug/L	NA	NA	NA	NA	NA
delta-BHC	0.04	NC	ug/L	NA	NA	NA	NA	NA
Dicamba	0.44	NC	ug/L	NA	NA	NA	NA	NA
Dichloroprop	NC	NC	ug/L	NA	NA	NA	NA	NA
Dieldrin	0.004	NC	ug/L	NA	NA	NA	NA	NA
Dinoseb	NC	NC	ug/L	NA	NA	NA	NA	NA
Endosulfan I	NC	NC	ug/L	NA	NA	NA	NA	NA
Endosulfan II	NC	NC	ug/L	NA	NA	NA	NA	NA
Endosulfan sulfate	NC	NC	ug/L	NA	NA	NA	NA	NA
Endrin	0	NC	ug/L	NA	NA	NA	NA	NA
Endrin aldehyde	5	NC	ug/L	NA	NA	NA	NA	NA
Endrin ketone	5	NC	ug/L	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	0.05	NC	ug/L	NA	NA	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-105 EB	QNSB-MW-103 EB	QNSB-MW-102 EB	QNSB-MW-101 EB	EB-01
			Sample Delivery Group	4802143671	4802143671	4802149121	4802149121	4802155281
			Sample Date	11/01/2023	11/06/2023	11/13/2023	11/14/2023	12/07/2023
			Sample Equipment:	Core Barrel	Core Barrel	Drill Bit	Drill Bit	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
Pesticides (cont.)								
gamma-Chlordane	0.05	NC	ug/L	NA	NA	NA	NA	NA
Heptachlor	0.04	NC	ug/L	NA	NA	NA	NA	NA
Heptachlor epoxide B	0.03	NC	ug/L	NA	NA	NA	NA	NA
MCPA	NC	NC	ug/L	NA	NA	NA	NA	NA
MCPP	NC	NC	ug/L	NA	NA	NA	NA	NA
Methoxychlor	35	NC	ug/L	NA	NA	NA	NA	NA
Toxaphene	0.06	NC	ug/L	NA	NA	NA	NA	NA
SVOCs								
1,1'-Biphenyl	5	NC	ug/L	NA	NA	NA	NA	5.4 U
1,2,4,5-Tetrachlorobenzene	5	NC	ug/L	NA	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	5	NC	ug/L	NA	NA	NA	NA	5.4 UJ
2,4,5-Trichlorophenol	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
2,4,6-Trichlorophenol	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
2,4-Dichlorophenol	5	NC	ug/L	NA	NA	NA	NA	5.4 U
2,4-Dimethylphenol	50	NC	ug/L	NA	NA	NA	NA	5.4 U
2,4-Dinitrophenol	10	NC	ug/L	NA	NA	NA	NA	11 U
2,4-Dinitrotoluene	5	NC	ug/L	NA	NA	NA	NA	5.4 U
2,6-Dinitrotoluene	5	NC	ug/L	NA	NA	NA	NA	5.4 U
2-Chloronaphthalene	10	NC	ug/L	NA	NA	NA	NA	5.4 U
2-Chlorophenol	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
2-Methylnaphthalene	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
2-Methylphenol	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
2-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	11 U
2-Nitrophenol	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	ug/L	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NC	ug/L	NA	NA	NA	NA	5.4 U
3-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	11 U
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	NA	NA	NA	NA	11 U
4-Bromophenyl phenyl ether	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
4-Chloro-3-methylphenol	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
4-Chloroaniline	5	NC	ug/L	NA	NA	NA	NA	5.4 U
4-Chlorophenyl phenyl ether	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
4-Methylphenol	NC	NC	ug/L	NA	NA	NA	NA	11 U
4-Nitroaniline	5	NC	ug/L	NA	NA	NA	NA	11 U
4-Nitrophenol	NC	NC	ug/L	NA	NA	NA	NA	11 U
Acenaphthene	20	NC	ug/L	NA	NA	NA	NA	5.4 U
Acenaphthylene	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
Acetophenone	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
Anthracene	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Atrazine	7.5	NC	ug/L	NA	NA	NA	NA	5.4 U
Benzaldehyde	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
Benzo(a)anthracene	0.002	NC	ug/L	NA	NA	NA	NA	5.4 U
Benzo(a)pyrene	0	NC	ug/L	NA	NA	NA	NA	5.4 U
Benzo(b)fluoranthene	0.002	NC	ug/L	NA	NA	NA	NA	5.4 U
Benzo(g,h,i)perylene	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
Benzo(k)fluoranthene	0.002	NC	ug/L	NA	NA	NA	NA	5.4 U
Bis(2-chloroethoxy)methane	5	NC	ug/L	NA	NA	NA	NA	5.4 U
Bis(2-chloroethyl) ether	1	NC	ug/L	NA	NA	NA	NA	5.4 U
Bis(2-ethylhexyl)phthalate	5	NC	ug/L	NA	NA	NA	NA	5.4 U

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-105 EB	QNSB-MW-103 EB	QNSB-MW-102 EB	QNSB-MW-101 EB	EB-01
			Sample Delivery Group	4802143671	4802143671	4802149121	4802149121	4802155281
			Sample Date	11/01/2023	11/06/2023	11/13/2023	11/14/2023	12/07/2023
			Sample Equipment:	Core Barrel	Core Barrel	Drill Bit	Drill Bit	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
SVOCs (cont.)								
Butylbenzylphthalate	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Caprolactam	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
Carbazole	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
Chrysene	0.002	NC	ug/L	NA	NA	NA	NA	5.4 U
Dibenz(a,h)anthracene	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
Dibenzofuran	NC	NC	ug/L	NA	NA	NA	NA	11 U
Diethyl phthalate	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Dimethylphthalate	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Di-n-butylphthalate	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Di-n-octylphthalate	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
Fluoranthene	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Fluorene	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Hexachlorobenzene	0.04	NC	ug/L	NA	NA	NA	NA	5.4 U
Hexachlorobutadiene	0.5	NC	ug/L	NA	NA	NA	NA	5.4 U
Hexachlorocyclopentadiene	5	NC	ug/L	NA	NA	NA	NA	5.4 U
Hexachloroethane	5	NC	ug/L	NA	NA	NA	NA	5.4 U
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/L	NA	NA	NA	NA	5.4 U
Isophorone	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Naphthalene	10	NC	ug/L	NA	NA	NA	NA	5.4 U
Nitrobenzene	0.4	NC	ug/L	NA	NA	NA	NA	5.4 U
n-Nitroso-di-n-propylamine	NC	NC	ug/L	NA	NA	NA	NA	5.4 U
N-Nitrosodiphenylamine	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Pentachlorophenol	1	NC	ug/L	NA	NA	NA	NA	11 UJ
Phenanthrene	50	NC	ug/L	NA	NA	NA	NA	5.4 U
Phenol	1	NC	ug/L	NA	NA	NA	NA	5.4 U
Pyrene	50	NC	ug/L	NA	NA	NA	NA	5.4 U
PCBs								
Aroclor-1016	NC	NC	ug/L	NA	NA	NA	NA	0.54 U
Aroclor-1221	NC	NC	ug/L	NA	NA	NA	NA	0.54 U
Aroclor-1232	NC	NC	ug/L	NA	NA	NA	NA	0.54 U
Aroclor-1242	NC	NC	ug/L	NA	NA	NA	NA	0.54 U
Aroclor-1248	NC	NC	ug/L	NA	NA	NA	NA	0.54 U
Aroclor-1254	NC	NC	ug/L	NA	NA	NA	NA	0.54 U
Aroclor-1260	NC	NC	ug/L	NA	NA	NA	NA	0.54 U
Aroclor-1262	NC	NC	ug/L	NA	NA	NA	NA	NA
Aroclor-1268	NC	NC	ug/L	NA	NA	NA	NA	NA
Total PCB Aroclors	0.9	NC						
Radiological								
Tritium (Hydrogen-3)	NC	NC	pci/L	NA	NA	NA	NA	-48.2 U
General Chemistry								
Alkalinity, bicarbonate	NC	NC	ug/L	NA	NA	NA	NA	5,000 U
Alkalinity, carbonate	NC	NC	ug/L	NA	NA	NA	NA	5,000 U
Alkalinity, total	NC	NC	ug/L	NA	NA	NA	NA	5,000 U
Ammonia as Nitrogen	NC	NC	ug/L	NA	NA	NA	NA	20 U
Biochemical Oxygen Demand	NC	NC	ug/L	NA	NA	NA	NA	2,000 U
Bromide	NC	NC	ug/L	NA	NA	NA	NA	200 U
Chemical Oxygen Demand	NC	NC	ug/L	NA	NA	NA	NA	10,000 U
Chloride	250,000	NC	ug/L	NA	NA	NA	NA	500 U
Cyanide	200	NC	ug/L	NA	NA	NA	NA	10 U

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-105 EB	QNSB-MW-103 EB	QNSB-MW-102 EB	QNSB-MW-101 EB	EB-01
			Sample Delivery Group	4802143671	4802143671	4802149121	4802149121	4802155281
			Sample Date	11/01/2023	11/06/2023	11/13/2023	11/14/2023	12/07/2023
			Sample Equipment:	Core Barrel	Core Barrel	Drill Bit	Drill Bit	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**				
General Chemistry (cont.)								
Nitrate as Nitrogen	10,000	NC	ug/L	NA	NA	NA	NA	50 U
Orthophosphate	NC	NC	ug/L	NA	NA	NA	NA	20 U
pH	NC	NC	ug/L	NA	NA	NA	NA	5.5
Phosphorus, total	NC	NC	ug/L	NA	NA	NA	NA	10 U
Sulfate	250,000	NC	ug/L	NA	NA	NA	NA	2,000 U
Temperature	NC	NC	ug/L	NA	NA	NA	NA	21.4
Total Dissolved Solids	NC	NC	ug/L	NA	NA	NA	NA	10,000 U
Total Suspended Solids (TSS)	NC	NC	ug/L	10,000	4,000 U	50,000	60,000	4,000 U
Total Hardness as CaCO3	NC	NC	ug/L	NA	NA	NA	NA	4,000 U
Total Kjeldahl Nitrogen	NC	NC	ug/L	NA	NA	NA	NA	200 U
Total Organic Carbon	NC	NC	ug/L	NA	NA	NA	NA	1,000 U

Notes:
ug/L - Micrograms per liter.
ng/L - Nanograms per liter.

J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values shown in **bold** exceed the NYSDEC guidance value.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-EB-02	EB-01	EB-02	EB-03	QNSB-EB-01	QNSB-EB-02
			Sample Delivery Group	4802155761	4802209711	4802209711	4802209711	25I1600	25J0087
			Sample Date	12/08/2023	06/18/2024	06/21/2024	06/25/2024	9/24/2025	10/1/2025
			Sample Equipment:	Submersible Pump	Drill Rod	Drill Rod	Drill Rod	Submersible Pump	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**					
1,4-Dioxane									
1,4-Dioxane	0.35	1	ug/L	0.21 U	0.20 U	0.20 U	0.20 U	0.19 U	0.21 U
PFAS									
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NC	NC	ng/L	7.5 U	6.9 U	6.3 U	6.5 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NC	NC	ng/L	47 U	43 U	40 U	41 U	NA	NA
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NC	NC	ng/L	9.3 U	8.6 U	7.9 U	8.2 U	NA	NA
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NC	NC	ng/L	47 U	43 U	40 U	41 U	NA	NA
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NC	NC	ng/L	7.5 U	6.9 U	6.3 U	6.5 U	NA	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NC	NC	ng/L	7.5 U	6.9 U	6.3 U	6.5 U	NA	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NC	NC	ng/L	7.5 U	6.9 U	6.3 U	6.5 U	NA	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NC	NC	ng/L	7.5 U	6.9 U	6.3 U	6.5 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NC	NC	ng/L	7.5 U	6.9 U	6.3 U	6.5 U	NA	NA
N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	NC	NC	ng/L	1.9 UJ	1.7 U	1.6 UJ	1.6 U	NA	NA
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	NC	NC	ng/L	19 UJ	17 U	16 UJ	16 U	NA	NA
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	0.43 J	NA	NA
N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	NC	NC	ng/L	3.7 UJ	1.7 U	1.6 UJ	1.6 U	NA	NA
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	NC	NC	ng/L	19 UJ	17 U	16 UJ	16 U	NA	NA
N-Methylperfluorooctane sulfonamide (NMeFOSA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NC	NC	ng/L	3.7 U	3.4 U	3.2 U	3.3 U	NA	NA
Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	NC	NC	ng/L	7.5 U	6.9 U	6.3 U	6.5 U	NA	NA
Perfluoro-3,6-dioxaheptanoic acid (PFPE-3)	NC	NC	ng/L	3.7 UJ	3.4 U	3.2 U	3.3 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	NC	NC	ng/L	3.7 U	3.4 U	3.2 U	3.3 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	NC	NC	ng/L	3.7 U	3.4 U	3.2 U	3.3 U	NA	NA
Perfluorobutane sulfonic acid (PFBS)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorobutanoic acid (PFBA)	NC	NC	ng/L	7.5 U	6.9 U	6.3 U	6.5 U	NA	NA
Perfluorobutylsulfonamide (FBSA)	NC	NC	ng/L	NA	NA	NA	NA	NA	NA
Perfluorodecane sulfonic acid (PFDS)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorodecanoic acid (PFDA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorododecane sulfonic acid (PFDoS)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorododecanoic acid (PFDoA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	NC	10	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluoroheptanoic acid (PFHpA)	NC	10	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorohexanesulfonamide (FHxSA)	NC	NC	ng/L	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NC	NC	ng/L	1.9 U	1.7 U	0.46 J	0.44 J	NA	NA
Perfluorononane sulfonic acid (PFNS)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorononanoic acid (PFNA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorooctane sulfonamide (PFOSA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorooctane sulfonic acid (PFOS)	2.7	NC	ng/L	1.9 U	1.7 U	1.6 U	1.2 J	NA	NA
Perfluorooctanoic acid (PFOA)	6.7	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluoropentane sulfonic acid (PFPeS)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluoropentanoic acid (PFPeA)	NC	NC	ng/L	3.7 U	3.4 U	3.2 U	3.3 U	NA	NA
Perfluorotetradecanoic acid (PFTA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluorotridecanoic acid (PFTrDA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Perfluoroundecanoic acid (PFUnA)	NC	NC	ng/L	1.9 U	1.7 U	1.6 U	1.6 U	NA	NA
Total PFAS	NC	NC	ng/L	--	--	0.46	2.07	NA	NA
VOCs									
1,1,1-Trichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-EB-02	EB-01	EB-02	EB-03	QNSB-EB-01	QNSB-EB-02
			Sample Delivery Group	4802155761	4802209711	4802209711	4802209711	25I1600	25J0087
			Sample Date	12/08/2023	06/18/2024	06/21/2024	06/25/2024	9/24/2025	10/1/2025
			Sample Equipment:	Submersible Pump	Drill Rod	Drill Rod	Drill Rod	Submersible Pump	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**					
VOCs (cont.)									
1,1,2-Trichloroethane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,1-Dichloroethane	5	NC	ug/L	1.0 U	1.0 UT	1.0 UT	1.0 U	NA	NA
1,1-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,2,3-Trichlorobenzene	5	NC	ug/L	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,2-Dibromoethane	0.0006	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,2-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,2-Dichloroethane	0.6	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,2-Dichloropropane	1	NC	ug/L	1.0 U	1.0 UT	1.0 U	1.0 U	NA	NA
1,3-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
1,4-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
2-Butanone	50	NC	ug/L	10 UJ	10 U	10 U	10 UT	NA	NA
2-Hexanone	50	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
4-Methyl-2-pentanone	NC	NC	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
Acetone	50	NC	ug/L	10 UJ	10 U	10 U	10 U	NA	NA
Benzene	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Bromochloromethane	5	NC	ug/L	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Bromoform	50	NC	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	NA	NA
Bromomethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Carbon disulfide	60	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Carbon tetrachloride	5	NC	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	NA	NA
Chlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Chloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Chloroform	7	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Chloromethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
cis-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 UT	1.0 U	1.0 U	NA	NA
cis-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Cyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Dibromochloromethane	50	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NC	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	NA	NA
Ethylbenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Isopropylbenzene (Cumene)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Methyl acetate	NC	NC	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Methylcyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Methylene chloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Styrene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Tetrachloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Toluene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
trans-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
trans-1,3-Dichloropropene	0.4	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Trichloroethene	5	NC	ug/L	1.0 U	1.0 UT	1.0 U	1.0 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Trichlorotrifluoroethane (Freon 113)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Vinyl chloride	2	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
Xylenes, total	5	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-EB-02	EB-01	EB-02	EB-03	QNSB-EB-01	QNSB-EB-02
			Sample Delivery Group	4802155761	4802209711	4802209711	4802209711	25I1600	25J0087
			Sample Date	12/08/2023	06/18/2024	06/21/2024	06/25/2024	9/24/2025	10/1/2025
			Sample Equipment:	Submersible Pump	Drill Rod	Drill Rod	Drill Rod	Submersible Pump	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**					
Metals									
Aluminum	NC	NC	ug/L	200 U	NA	NA	NA	NA	NA
Antimony	3	NC	ug/L	20 U	NA	NA	NA	NA	NA
Arsenic	25	NC	ug/L	15 U	NA	NA	NA	NA	NA
Barium	1000	NC	ug/L	2.0 U	NA	NA	NA	NA	NA
Beryllium	3	NC	ug/L	2.0 U	NA	NA	NA	NA	NA
Boron	NC	NC	ug/L	NA	NA	NA	NA	30.0 U	9.9 J
Cadmium	5	NC	ug/L	2.0 U	NA	NA	NA	NA	NA
Calcium	NC	NC	ug/L	500 U	NA	NA	NA	NA	NA
Chromium	50	NC	ug/L	4.0 U	NA	NA	NA	NA	NA
Cobalt	NC	NC	ug/L	4.0 U	NA	NA	NA	NA	NA
Copper	200	NC	ug/L	10 U	NA	NA	NA	NA	NA
Iron	300	NC	ug/L	50 U	NA	NA	NA	NA	NA
Lead	25	NC	ug/L	10 U	NA	NA	NA	NA	NA
Magnesium	35000	NC	ug/L	200 U	NA	NA	NA	NA	NA
Manganese	300	NC	ug/L	1.9 J	NA	NA	NA	NA	NA
Mercury	0.7	NC	ug/L	0.20 U	NA	NA	NA	NA	NA
Nickel	100	NC	ug/L	10 U	NA	NA	NA	NA	NA
Potassium	NC	NC	ug/L	500 UJ	NA	NA	NA	NA	NA
Selenium	10	NC	ug/L	25 U	NA	NA	NA	NA	NA
Silver	50	NC	ug/L	6.0 UT	NA	NA	NA	NA	NA
Sodium	20000	NC	ug/L	1000 U	NA	NA	NA	NA	NA
Thallium	0.5	NC	ug/L	20 U	NA	NA	NA	NA	NA
Vanadium	NC	NC	ug/L	5.0 U	NA	NA	NA	NA	NA
Zinc	2000	NC	ug/L	10 U	NA	NA	NA	NA	NA
Pesticides									
2,4,5-T	35	NC	ug/L	NA	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	0.26	NC	ug/L	NA	NA	NA	NA	NA	NA
2,4-D	50	NC	ug/L	NA	NA	NA	NA	NA	NA
2,4-DB	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
4,4'-DDD	0.3	NC	ug/L	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NC	ug/L	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NC	ug/L	NA	NA	NA	NA	NA	NA
Aldrin	0	NC	ug/L	NA	NA	NA	NA	NA	NA
alpha-BHC	0.01	NC	ug/L	NA	NA	NA	NA	NA	NA
alpha-Chlordane	0.05	NC	ug/L	NA	NA	NA	NA	NA	NA
beta-BHC	0.04	NC	ug/L	NA	NA	NA	NA	NA	NA
Dalapon	50	NC	ug/L	NA	NA	NA	NA	NA	NA
delta-BHC	0.04	NC	ug/L	NA	NA	NA	NA	NA	NA
Dicamba	0.44	NC	ug/L	NA	NA	NA	NA	NA	NA
Dichloroprop	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NC	ug/L	NA	NA	NA	NA	NA	NA
Dinoseb	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
Endosulfan I	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
Endosulfan II	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
Endosulfan sulfate	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
Endrin	0	NC	ug/L	NA	NA	NA	NA	NA	NA
Endrin aldehyde	5	NC	ug/L	NA	NA	NA	NA	NA	NA
Endrin ketone	5	NC	ug/L	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	0.05	NC	ug/L	NA	NA	NA	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-EB-02	EB-01	EB-02	EB-03	QNSB-EB-01	QNSB-EB-02
			Sample Delivery Group	4802155761	4802209711	4802209711	4802209711	25I1600	25J0087
			Sample Date	12/08/2023	06/18/2024	06/21/2024	06/25/2024	9/24/2025	10/1/2025
			Sample Equipment:	Submersible Pump	Drill Rod	Drill Rod	Drill Rod	Submersible Pump	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**					
Pesticides (cont.)									
gamma-Chlordane	0.05	NC	ug/L	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NC	ug/L	NA	NA	NA	NA	NA	NA
Heptachlor epoxide B	0.03	NC	ug/L	NA	NA	NA	NA	NA	NA
MCPA	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
MCPP	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NC	ug/L	NA	NA	NA	NA	NA	NA
Toxaphene	0.06	NC	ug/L	NA	NA	NA	NA	NA	NA
SVOCs									
1,1'-Biphenyl	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	5	NC	ug/L	NA	NA	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	5	NC	ug/L	5.4 UJ	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2,4-Dichlorophenol	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2,4-Dimethylphenol	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NC	ug/L	11 U	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2-Chlorophenol	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2-Methylnaphthalene	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2-Methylphenol	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
2-Nitroaniline	5	NC	ug/L	11 U	NA	NA	NA	NA	NA
2-Nitrophenol	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
3- & 4-Methylphenol (m,p-Cresol)	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
3-Nitroaniline	5	NC	ug/L	11 U	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	11 U	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
4-Chloroaniline	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
4-Methylphenol	NC	NC	ug/L	11 U	NA	NA	NA	NA	NA
4-Nitroaniline	5	NC	ug/L	11 U	NA	NA	NA	NA	NA
4-Nitrophenol	NC	NC	ug/L	11 U	NA	NA	NA	NA	NA
Acenaphthene	20	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Acenaphthylene	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Acetophenone	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Anthracene	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Atrazine	7.5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Benzaldehyde	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.002	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Benzo(a)pyrene	0	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.002	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether	1	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	5	NC	ug/L	5.4 UJ	NA	NA	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-EB-02	EB-01	EB-02	EB-03	QNSB-EB-01	QNSB-EB-02
			Sample Delivery Group	4802155761	4802209711	4802209711	4802209711	25I1600	25J0087
			Sample Date	12/08/2023	06/18/2024	06/21/2024	06/25/2024	9/24/2025	10/1/2025
			Sample Equipment:	Submersible Pump	Drill Rod	Drill Rod	Drill Rod	Submersible Pump	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**					
SVOCs (cont.)									
Butylbenzylphthalate	50	NC	ug/L	5.4 UJ	NA	NA	NA	NA	NA
Caprolactam	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Carbazole	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Chrysene	0.002	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Dibenzofuran	NC	NC	ug/L	11 U	NA	NA	NA	NA	NA
Diethyl phthalate	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Dimethylphthalate	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Di-n-butylphthalate	50	NC	ug/L	5.4 UJ	NA	NA	NA	NA	NA
Di-n-octylphthalate	NC	NC	ug/L	5.4 UJ	NA	NA	NA	NA	NA
Fluoranthene	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Fluorene	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Hexachlorobenzene	0.04	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Hexachloroethane	5	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Isophorone	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Naphthalene	10	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Nitrobenzene	0.4	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
n-Nitroso-di-n-propylamine	NC	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Pentachlorophenol	1	NC	ug/L	11 UJ	NA	NA	NA	NA	NA
Phenanthrene	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Phenol	1	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
Pyrene	50	NC	ug/L	5.4 U	NA	NA	NA	NA	NA
PCBs									
Aroclor-1016	NC	NC	ug/L	0.50 U	NA	NA	NA	NA	NA
Aroclor-1221	NC	NC	ug/L	0.50 U	NA	NA	NA	NA	NA
Aroclor-1232	NC	NC	ug/L	0.50 U	NA	NA	NA	NA	NA
Aroclor-1242	NC	NC	ug/L	0.50 U	NA	NA	NA	NA	NA
Aroclor-1248	NC	NC	ug/L	0.50 U	NA	NA	NA	NA	NA
Aroclor-1254	NC	NC	ug/L	0.50 U	NA	NA	NA	NA	NA
Aroclor-1260	NC	NC	ug/L	0.50 U	NA	NA	NA	NA	NA
Aroclor-1262	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
Aroclor-1268	NC	NC	ug/L	NA	NA	NA	NA	NA	NA
Total PCB Aroclors	0.9	NC							
Radiological									
Tritium (Hydrogen-3)	NC	NC	pci/L	42.8 U	NA	NA	NA	NA	NA
General Chemistry									
Alkalinity, bicarbonate	NC	NC	ug/L	5,000 U	NA	NA	NA	NA	NA
Alkalinity, carbonate	NC	NC	ug/L	5,000 U	NA	NA	NA	NA	NA
Alkalinity, total	NC	NC	ug/L	5,000 U	NA	NA	NA	950 J	1000 U
Ammonia as Nitrogen	NC	NC	ug/L	39	NA	NA	NA	NA	NA
Biochemical Oxygen Demand	NC	NC	ug/L	2,000 U	NA	NA	NA	NA	NA
Bromide	NC	NC	ug/L	200 U	NA	NA	NA	NA	NA
Chemical Oxygen Demand	NC	NC	ug/L	10,000 U	NA	NA	NA	NA	NA
Chloride	250,000	NC	ug/L	500 U	NA	NA	NA	NA	NA
Cyanide	200	NC	ug/L	10 U	NA	NA	NA	NA	NA

Table 14
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Summary of Equipment Blank Analytical Results for Site Characterization Activities

			Sample ID	QNSB-EB-02	EB-01	EB-02	EB-03	QNSB-EB-01	QNSB-EB-02
			Sample Delivery Group	4802155761	4802209711	4802209711	4802209711	25I1600	25J0087
			Sample Date	12/08/2023	06/18/2024	06/21/2024	06/25/2024	9/24/2025	10/1/2025
			Sample Equipment:	Submersible Pump	Drill Rod	Drill Rod	Drill Rod	Submersible Pump	Submersible Pump
Analyte	**NYSDEC GA Value**	**NYSDOH MCL**	**Unit**	**Results**					
General Chemistry (cont.)									
Nitrate as Nitrogen	10,000	NC	ug/L	37 J	NA	NA	NA	NA	NA
Orthophosphate	NC	NC	ug/L	10 J	NA	NA	NA	NA	NA
pH	NC	NC	ug/L	5.9	NA	NA	NA	NA	NA
Phosphorus, total	NC	NC	ug/L	10 U	NA	NA	NA	NA	NA
Sulfate	250,000	NC	ug/L	2,000 U	NA	NA	NA	NA	NA
Temperature	NC	NC	ug/L	21.7	NA	NA	NA	NA	NA
Total Dissolved Solids	NC	NC	ug/L	10,000 U	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NC	NC	ug/L	40,000 B	NA	NA	NA	NA	NA
Total Hardness as CaCO3	NC	NC	ug/L	4,000 U	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NC	NC	ug/L	200 U	NA	NA	NA	NA	NA
Total Organic Carbon	NC	NC	ug/L	1,000 U	NA	NA	NA	NA	NA

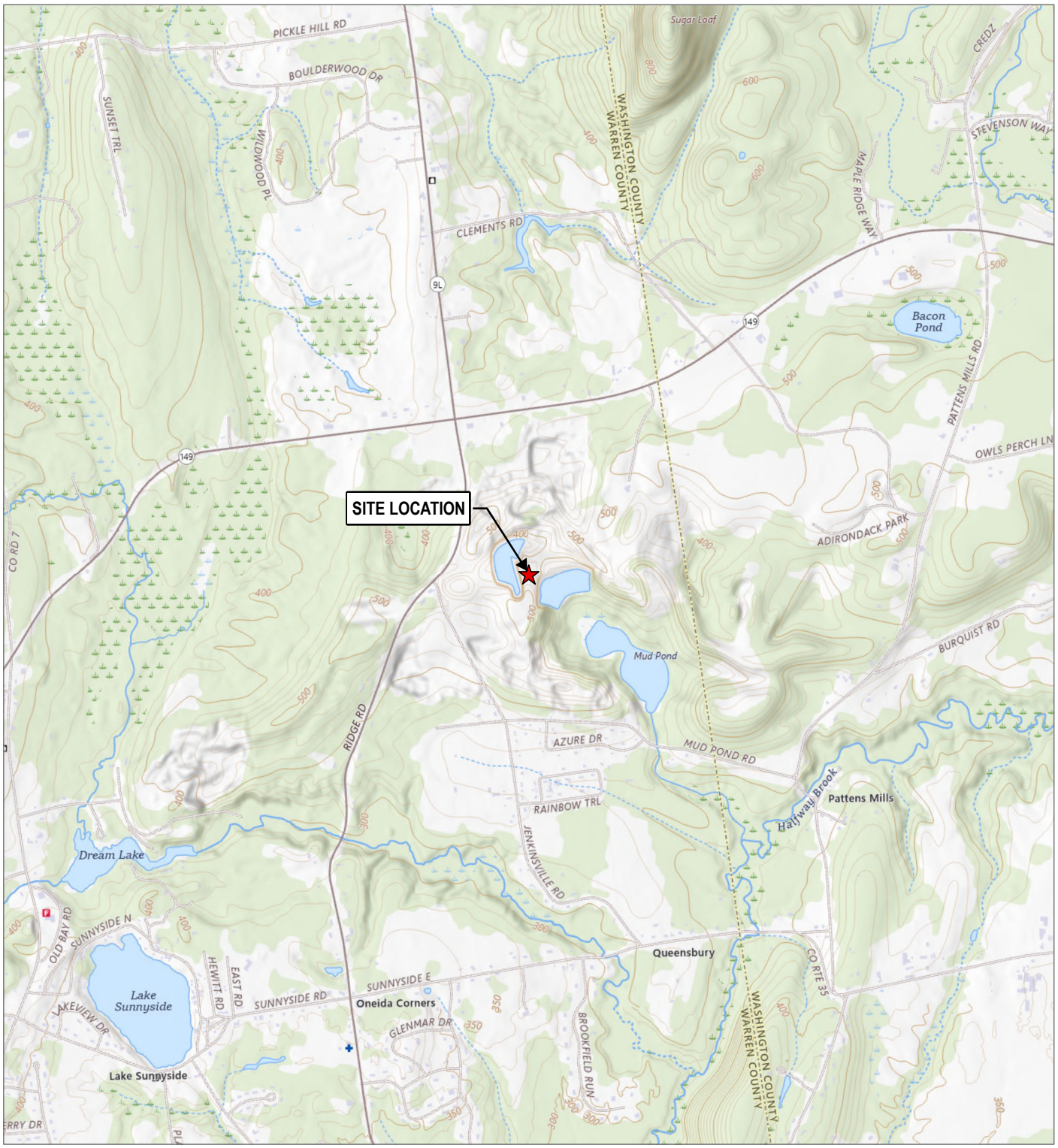
Notes:
ug/L - Micrograms per liter.
ng/L - Nanograms per liter.

J - Estimated value.
R - Analyte result was rejected following data validation. Please refer to the Data Usability Summary Report (DUSR) for more information.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.

PCBs - Polychlorinated biphenyls.
PFAS - Per- and polyfluoroalkyl substances.
VOCs - Volatile organic compounds.
SVOCs - Semi-volatile organic compounds.

NYSDEC GA Value - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values for Class GA water.
NYSDOH MCL - New York State Department of Health Maximum Contaminant Levels for finished drinking water.
Values shown in **bold** exceed the NYSDEC guidance value.
NA - Not analyzed.
NC - No NYSDEC or NYSDOH screening value exists for this analyte.

FIGURES



LEGEND

★ SITE LOCATION

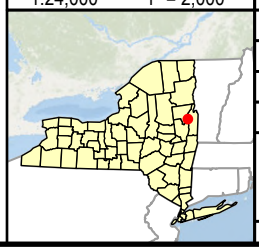
BASE MAP: USGS TOPOGRAPHIC MAP SERVICE

N

0 1,000 2,000

FEET

1:24,000 1" = 2,000'



PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE:

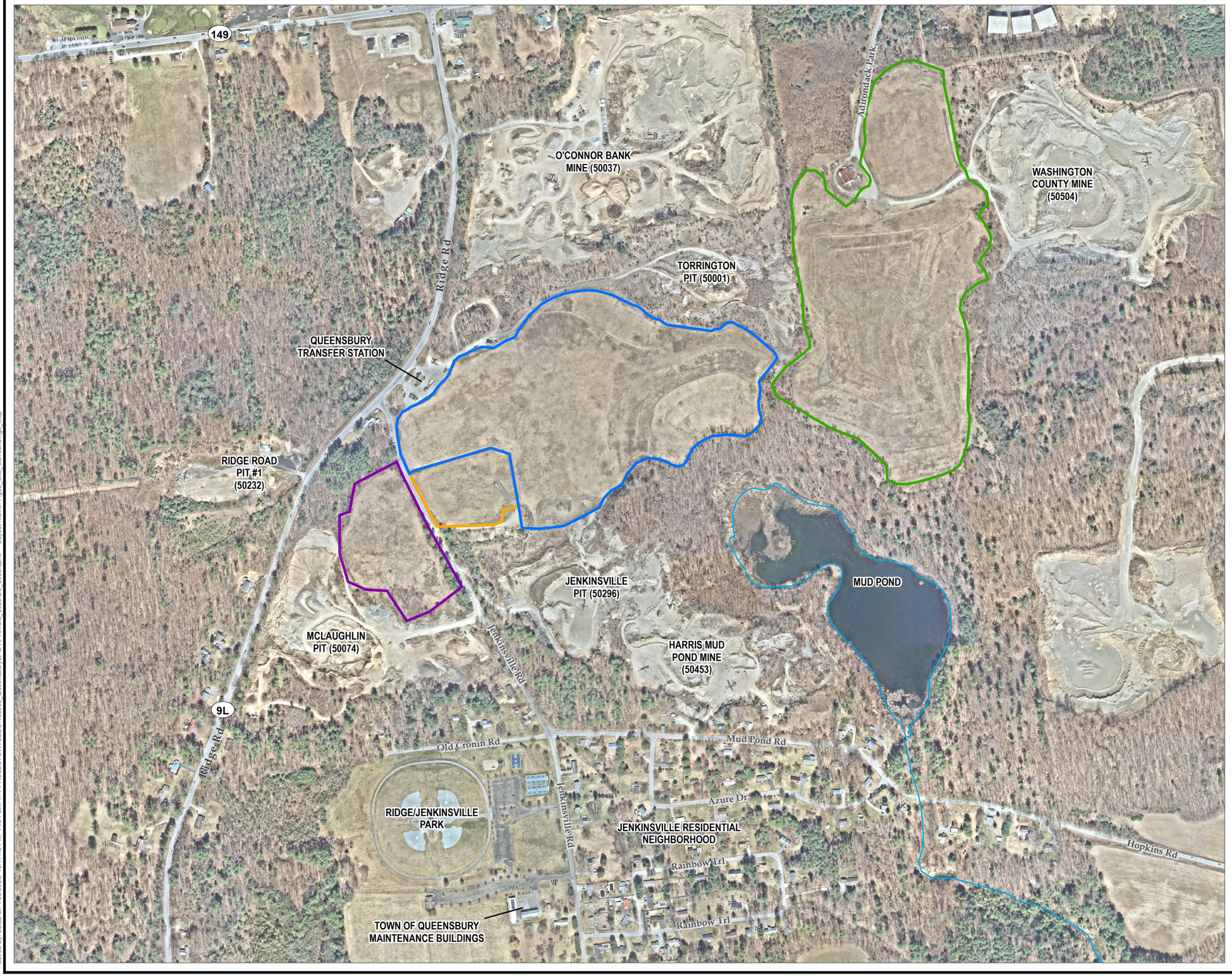
SITE LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		
APPROVED BY:	J. KING		**FIGURE 1**
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW YORK EAST FIPS 3101 FEET; MAP ROTATION: 0
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LEGEND

- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

N

1:6,600
1" = 550'
0 275 550 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE:
SITE SURROUNDINGS MAP

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		FIGURE 2
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
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ANALYTE	UNIT	UUSCO
PFAS		
PFOS	ug/kg	0.88
VOCs		
Acetone	mg/kg	0.05

SS-104	Sample Date	11/30/2021
Analyte	**Unit**	**Result**
PFAS		
PFOS	ug/kg	**5.3**
Total PFAS	ug/kg	6.27
VOC	**Unit**	**Result**
Acetone	mg/kg	**0.067**

SS-103	Sample Date	11/30/2021
Analyte	**Unit**	**Result**
PFAS		
Total PFAS	ug/kg	0.309

SS-102	Sample Date	11/30/2021
Analyte	**Unit**	**Result**
PFAS		
Total PFAS	ug/kg	2.648
VOC		
Acetone	mg/kg	**0.057**

SS-101	Sample Date	11/30/2021
Analyte	**Unit**	**Result**
PFAS		
Total PFAS	ug/kg	0.421

SS-105	Sample Date	11/30/2021
Analyte	**Unit**	**Result**
PFAS		
Total PFAS	ug/kg	1.588

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- HARRIS MUD POND SUPPLY WELL
- LEACHATE COLLECTION MANHOLE
- SURFACE SOIL SAMPLE
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
3. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.
4. **BOLD** TYPE INDICATES CONCENTRATION ABOVE SCREENING CRITERIA.
5. SURFACE SOIL SAMPLES WERE COLLECTED ON NOVEMBER 30, 2021.
6. SURFACE SOIL SAMPLE LOCATIONS SURVEYED USING HAND-HELD GPS UNIT.
7. THERE ARE NO NYSDEC SOIL REGULATORY CRITERIA FOR TOTAL PFAS.
8. ONLY MONITORING WELLS PRESENT AT THE TIME OF SURFACE SOIL SAMPLING ARE SHOWN.

ACRONYMS:
UG/KG - MICROGRAMS PER KILOGRAM
MG/KG - MILLIGRAMS PER KILOGRAM
UUSCO - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVE
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
PFOS - PERFLUOROOCTANESULFONIC ACID
VOCs - VOLATILE ORGANIC COMPOUNDS
SCG - STANDARDS, CRITERIA, AND GUIDANCE

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:3,600
1" = 300'
0 150 300 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

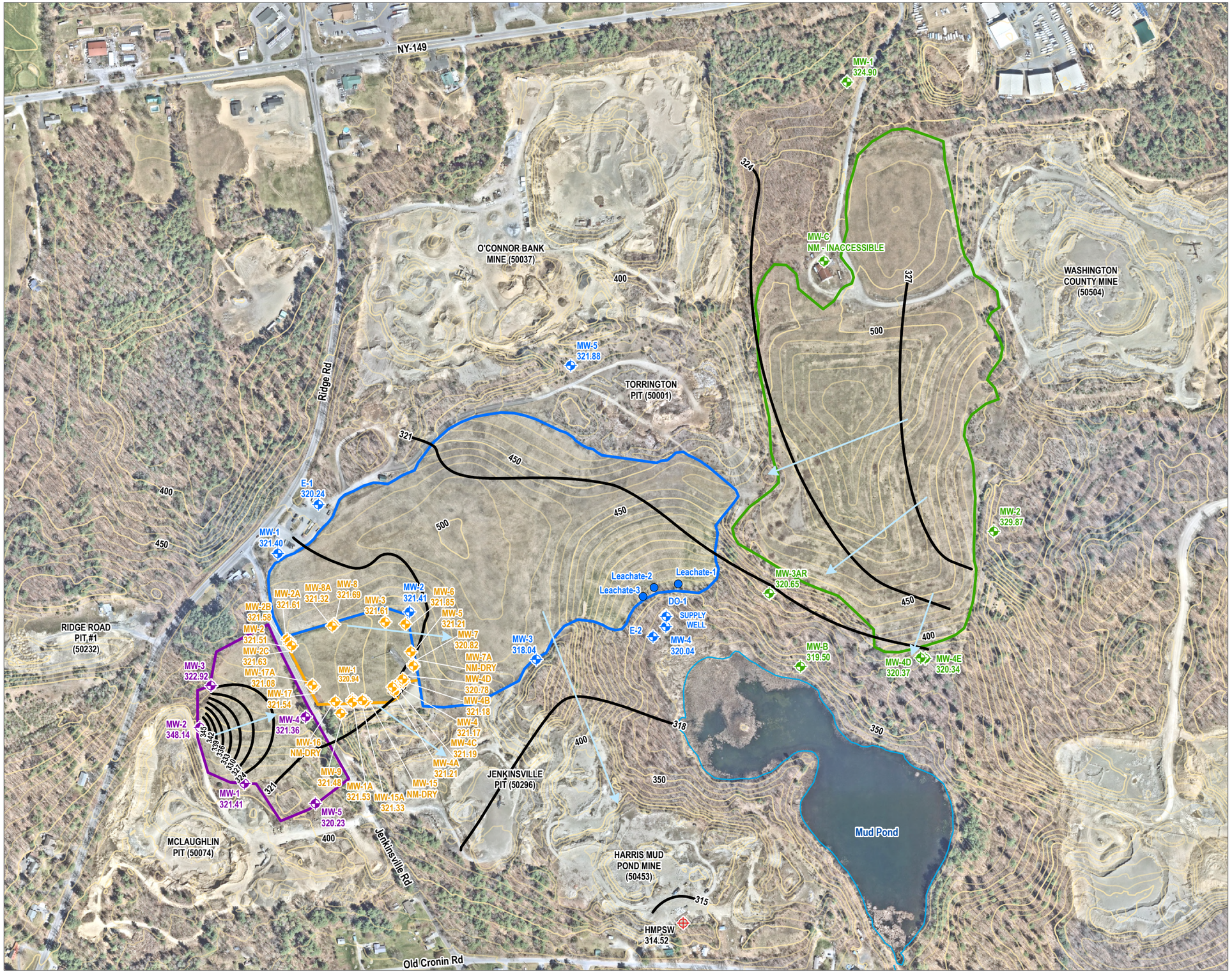
TITLE:
SURFACE SOIL SAMPLE LOCATIONS AND SUMMARY OF SELECT RESULTS

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		**FIGURE 3**
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
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LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- HARRIS MUD POND SUPPLY WELL
- LEACHATE COLLECTION MANHOLE
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE ELEVATION CONTOUR (3' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.

2. MONITORING WELL AND LEACHATE LOCATIONS WERE SURVEYED ON DECEMBER 15 AND 16, 2021 BY SUSAN M. ANACKER, PLS.

3. TOPOGRAPHIC CONTOURS FROM NYSGIS.

4. GROUNDWATER SURFACE ELEVATIONS WERE COLLECTED ON DECEMBER 2, 2021.

BASE MAP: NEAR MAP IMAGERY DATED ARPIL 30, 2022
SHEET SIZE: 11X17L

N

1:5,400
1" = 450'

0 225 450 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE:
AREA GROUNDWATER FLOW MAP (DECEMBER 2, 2021)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		FIGURE 4
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
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MW-1	Sample Date	4/15/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	4.58

MW-2	Sample Date	4/14/2022
Analyte	Unit	Result
PFAS		
PFOS	ng/L	**3.7**
PFOA	ng/L	**49**
Total PFAS	ng/L	75.68
Metals		
Iron	ug/L	**4,100**
Manganese	ug/L	**840**

MW-3	Sample Date	4/13/2022
Analyte	Unit	Result
1,4 Dioxane	ug/L	**5**
PFAS		
PFOA	ng/L	**12**
Total PFAS	ng/L	37.89
Metals		
Iron	ug/L	**1,900**
Magnesium	ug/L	**61,000**
Manganese	ug/L	**1,700**
Sodium	ug/L	**50,000**

MW-4	Sample Date	4/13/2022
Analyte	Unit	Result
PFAS		
PFOS	ng/L	**2.9**
Total PFAS	ng/L	22.45
Metals		
Iron	ug/L	**360**

MW-5	Sample Date	4/13/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	6.75
Metals		
Sodium	ug/L	**52,000**

WL-01	Sample Date	4/12/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	38.81

WS-01	Sample Date	4/12/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	3.44

ANALYTE	UNIT	NYSDOH MCL	CLASS GA VALUE
1,4 Dioxane	ug/L	1	0.35
PFAS			
PFOS	ng/L	10	2.7
PFOA	ng/L	10	6.7
Metals			
Cadmium	ug/L	NC	5
Chromium	ug/L	NC	50
Iron	ug/L	NC	300
Magnesium	ug/L	NC	35,000
Manganese	ug/L	NC	300
Sodium	ug/L	NC	20,000

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- LEACHATE COLLECTION MANHOLE
- SURFACE WATER SAMPLE
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE ELEVATION CONTOUR (0.5' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD 88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED DURING SAMPLING ACTIVITIES.
4. SAMPLES WERE COLLECTED BETWEEN APRIL 12 AND 22, 2022 USING DISPOSABLE BAILERS. MW-3 WAS RESAMPLED ON JUNE 23, 2022 USING LOW FLOW SAMPLING TECHNIQUES.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. VALUES WITH GRAY SHADING EXCEED THE NYSDOH MCL.
9. THERE ARE NO NYSDEC OR NYSDOH GROUNDWATER REGULATORY CRITERIA FOR TOTAL PFAS.

ACRONYMS:
UG/L - MICROGRAMS PER LITER
NG/L - NANOGRAMS PER LITER
NA - NOT ANALYZED
NC - NO CRITERIA
NYSDOH MCL - NEW YORK STATE DEPARTMENT OF HEALTH MAXIMUM CONTAMINANT LEVELS FOR FINISHED DRINKING WATER
CLASS GA VALUE - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
PFOS - PERFLUOROOCTANESULFONIC ACID
PFOA - PERFLUOROOCTANOIC ACID
SCG - STANDARDS, CRITERIA, AND GUIDANCE
-- - NO PFAS DETECTED

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:2,400
1" = 200'
0 100 200 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE:
QUEENSBURY LANDFILL
GROUNDWATER AND SURFACE WATER SAMPLE LOCATIONS, OVERBURDEN GROUNDWATER FLOW, AND SUMMARY OF SELECT RESULTS (APRIL 2022)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		
APPROVED BY:	J. KING		FIGURE 5
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By LLILL on 1/30/2026, 10:38:10 AM; File Path: T:\PROJECTS\NYSDEC\453202_Queensbury\L\Fig05_Queensbury_Landfill_GW_and_SW_Samples_OB_GW_Flow_and_Results_April_2022
Layout Name: Fig05_Queensbury_Landfill_GW_and_SW_Samples_OB_GW_Flow_and_Results_April_2022_Queensbury\L\F3-APRX\SC_2025\SC_2025.aprx:

ANALYTE	UNIT	NYSDOH MCL	CLASS GA VALUE
1,4 Dioxane	ug/L	1	0.35
Metals			
Iron	ug/L	NC	300
Magnesium	ug/L	NC	35,000
Manganese	ug/L	NC	300

MW-03	Sample Date	4/18/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.4**
PFAS		
Total PFAS	ng/L	27.74

MW-02	Sample Date	4/18/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.4**
PFAS		
Total PFAS	ng/L	29.68

MW-01	Sample Date	4/15/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.42**
PFAS		
Total PFAS	ng/L	27.99
Metals		
Iron	ug/L	**2,600**
Magnesium	ug/L	**49,000**
Manganese	ug/L	**1,000**

MW-05	Sample Date	4/18/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.38**
PFAS		
Total PFAS	ng/L	NA
Metals		
Iron	ug/L	**3,600**
Magnesium	ug/L	**50,000**
Manganese	ug/L	**1,400**

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE ELEVATION CONTOUR (6' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- MCLAUGHLIN LANDFILL

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD 88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED DURING SAMPLING ACTIVITIES.
4. GROUNDWATER SAMPLES WERE COLLECTED ON APRIL 15, 2022 AND APRIL 18, 2022 USING DISPOSABLE BAILERS. MONITORING WELL MW-4 COULD NOT BE SAMPLED - THE RISER PIPE WAS BENT.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. VALUES WITH GRAY SHADING EXCEED THE NYSDOH MCL.
9. THERE ARE NO NYSDEC OR NYSDOH GROUNDWATER REGULATORY CRITERIA FOR TOTAL PFAS.

ACRONYMS:
UG/L - MICROGRAMS PER LITER
NG/L - NANOGRAMS PER LITER
NA - NOT ANALYZED
NYSDOH MCL - NEW YORK STATE DEPARTMENT OF HEALTH MAXIMUM CONTAMINANT LEVELS FOR FINISHED DRINKING WATER
CLASS GA VALUE - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
SCG - STANDARDS, CRITERIA, AND GUIDANCE
-- - NO PFAS DETECTED

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:1,800
1" = 150'
0 75 150 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE:
MCLAUGHLIN LANDFILL
GROUNDWATER SAMPLE LOCATIONS,
OVERBURDEN GROUNDWATER FLOW, AND
SUMMARY OF SELECT RESULTS (APRIL 2022)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		FIGURE 6
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By LLILL on 1/29/2026, 10:06:05 AM; File Path: T:\PROJECTS\NYSDEC\453202_Queensbury\F2-APRX\SC_2025\SC_2025.aprx; Layout Name: Fig06_McLaughlin_Landfill_GW_Sample_Locations_OB_GW_Flow_and_Results_April_2022

ANALYTE	UNIT	CLASS GA VALUE
Metals		
Iron	ug/L	300
Manganese	ug/L	300

NY-149
MW-1
MW-C
MW-5
MW-2
MW-3
MW-3AR 330.84
MW-B 322.27
MW-4D 321.29
MW-4E 321.19
WS-01
DO-1
SUPPLY WELL
MW-4
E-2
Leachate 1
Leachate 2
Leachate 3
O'CONNOR BANK MINE (50037)
TORRINGTON PIT (50001)
WASHINGTON COUNTY MINE (50504)
MUD POND
400
450
500
350
330
328
326
324
322

MW-3AR	Sample Date	4/22/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	6.57
Metals		
Iron	ug/L	**4,700**
Manganese	ug/L	**450**

MW-B	Sample Date	4/22/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	0.85

WS-01	Sample Date	4/21/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	3.57

MW-4D	Sample Date	4/21/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	4.44
Metals		
Iron	ug/L	**5,700**
Manganese	ug/L	**1,100**

MW-4E	Sample Date	4/21/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	5.57

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- LEACHATE COLLECTION MANHOLE
- SURFACE WATER SAMPLE
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE ELEVATION CONTOUR (2' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD 88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED DURING SAMPLING ACTIVITIES.
4. SAMPLES WERE COLLECTED BETWEEN APRIL 21, 2022 AND APRIL 22, 2022 UTILIZING DISPOSABLE BAILERS.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. THERE ARE NO NYSDEC OR USEPA GROUNDWATER REGULATORY CRITERIA FOR TOTAL PFAS.

ACRONYMS:
UG/L - MICROGRAMS PER LITER
NG/L - NANOGRAMS PER LITER
NC - NO CRITERIA
CLASS GA VALUE - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
SCG - STANDARDS, CRITERIA, AND GUIDANCE

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:4,200
1" = 350'
0 175 350 FEET

N

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

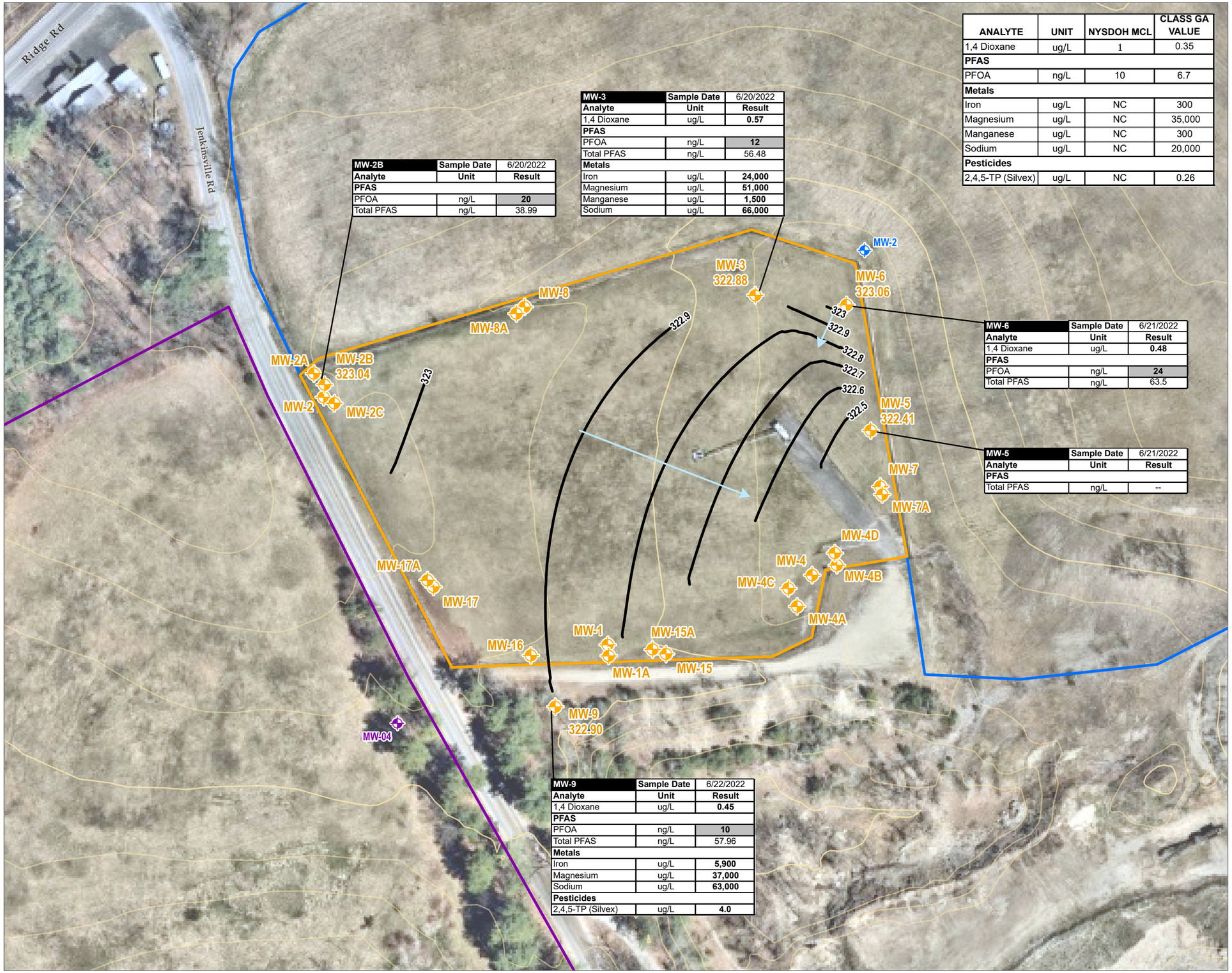
TITLE:
FINCH PAPER LANDFILL
GROUNDWATER AND SURFACE WATER SAMPLE LOCATIONS, OVERBURDEN GROUNDWATER FLOW, AND SUMMARY OF SELECT RESULTS (APRIL 2022)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		
APPROVED BY:	J. KING		**FIGURE 7**
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By LLILL on 1/20/2026, 10:40:06 AM; File Path: T:\1-PROJECTS\NYSEC-453202_Queensbury\4-P2-APRX\SC_2025\SC_2025.aprx; Layout Name: Fig07_Finch_Paper_Landfill_GW_and_SW_Sample_Locations_OB_GW_Flow_and_Results_April_2022



MW-2B	Sample Date	6/20/2022
Analyte	**Unit**	**Result**
PFAS		
PFOA	ng/L	**20**
Total PFAS	ng/L	38.99

MW-3	Sample Date	6/20/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.57**
PFAS		
PFOA	ng/L	**12**
Total PFAS	ng/L	56.48
Metals		
Iron	ug/L	**24,000**
Magnesium	ug/L	**51,000**
Manganese	ug/L	**1,500**
Sodium	ug/L	**66,000**

ANALYTE	UNIT	NYSDOH MCL	CLASS GA VALUE
1,4 Dioxane	ug/L	1	0.35
PFAS			
PFOA	ng/L	10	6.7
Metals			
Iron	ug/L	NC	300
Magnesium	ug/L	NC	35,000
Manganese	ug/L	NC	300
Sodium	ug/L	NC	20,000
Pesticides			
2,4,5-TP (Silvex)	ug/L	NC	0.26

MW-6	Sample Date	6/21/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.48**
PFAS		
PFOA	ng/L	**24**
Total PFAS	ng/L	63.5

MW-5	Sample Date	6/21/2022
Analyte	**Unit**	**Result**
PFAS		
Total PFAS	ng/L	--

MW-9	Sample Date	6/22/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.45**
PFAS		
PFOA	ng/L	**10**
Total PFAS	ng/L	57.96
Metals		
Iron	ug/L	**5,900**
Magnesium	ug/L	**37,000**
Sodium	ug/L	**63,000**
Pesticides		
2,4,5-TP (Silvex)	ug/L	**4.0**

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE ELEVATION CONTOUR (0.10' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- MCLAUGHLIN LANDFILL

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD 88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED DURING SAMPLING ACTIVITIES.
4. GROUNDWATER SAMPLES WERE COLLECTED BETWEEN JUNE 20, 2022 AND JUNE 22, 2022 UTILIZING LOW-FLOW SAMPLING TECHNIQUES.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. VALUES WITH GRAY SHADING EXCEED THE NYSDOH MCL.
9. THERE ARE NO NYSDEC OR NYSDOH GROUNDWATER REGULATORY CRITERIA FOR TOTAL PFAS.

ACRONYMS:
UG/L - MICROGRAMS PER LITER
NG/L - NANOGRAMS PER LITER
NC - NO CRITERIA
NYSDOH MCL - NEW YORK STATE DEPARTMENT OF HEALTH MAXIMUM CONTAMINANT LEVELS FOR FINISHED DRINKING WATER
CLASS GA VALUE - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
PFOA - PERFLUOROOCTANOIC ACID
SCG - STANDARDS, CRITERIA, AND GUIDANCE
-- - NO PFAS DETECTED

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:1,200
1" = 100'
0 50 100 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE:
CIBA-GEIGY LANDFILL
GROUNDWATER SAMPLE LOCATIONS, OVERBURDEN GROUNDWATER FLOW, AND SUMMARY OF SELECT RESULTS (JUNE 2022)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		FIGURE 8
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By LILL on 1/29/2026, 1:07:58 PM; File Path: T:\PROJECTS\NYSDEC\453202_Queensbury\LR2-APRx\SC_2025\SC_2025.aprx; Layout Name: Fig08_Ciba_Geigy_Landfill_GW_Sample_Locations_OB_GW_Flow_and_Results_June_2022



ANALYTE	UNIT	NYSDOH MCL	CLASS GA VALUE
1,4-Dioxane	ug/L	1	0.35
PFAS			
PFOS	ng/L	10	2.7
PFOA	ng/L	10	6.7
Metals			
Iron	ug/L	NC	300
Magnesium	ug/L	NC	35,000
Manganese	ug/L	NC	300
Sodium	ug/L	NC	20,000
Pesticides			
2,4,5-TP (Silvex)	ug/L	NC	0.26

MW-7	Sample Date	6/21/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**1.4**
PFAS		
Total PFAS	ng/L	9.09
Metals		
Iron	ug/L	**9,800**
Magnesium	ug/L	**38,000**
Sodium	ug/L	**42,000**

MW-2	Sample Date	6/20/2022
Analyte	**Unit**	**Result**
PFAS		
Total PFAS	ng/L	34.1

MW-4	Sample Date	6/21/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.55**
PFAS		
PFOS	ng/L	**3.2**
PFOA	ng/L	**23**
Total PFAS	ng/L	126.28

MW-1	Sample Date	6/22/2022
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.61**
PFAS		
PFOA	ng/L	**6.7**
Total PFAS	ng/L	57.58
Metals		
Iron	ug/L	**25,000**
Magnesium	ug/L	**56,000**
Manganese	ug/L	**370**
Sodium	ug/L	**73,000**
Pesticides		
2,4,5-TP (Silvex)	ug/L	**1.7**

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE ELEVATION CONTOUR (0.20' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- MCLAUGHLIN LANDFILL

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD 88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED DURING SAMPLING ACTIVITIES.
4. GROUNDWATER SAMPLES WERE COLLECTED BETWEEN JUNE 20, 2022 AND JUNE 22, 2022 UTILIZING LOW-FLOW SAMPLING TECHNIQUES.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. VALUES WITH GRAY SHADING EXCEED THE NYSDOH MCL.
9. THERE ARE NO NYSDEC OR NYSDOH GROUNDWATER REGULATORY CRITERIA FOR TOTAL PFAS.

ACRONYMS:
UG/L - MICROGRAMS PER LITER
NG/L - NANOGRAMS PER LITER
NC - NO CRITERIA
NYSDOH MCL - NEW YORK STATE DEPARTMENT OF HEALTH MAXIMUM CONTAMINANT LEVELS FOR FINISHED DRINKING WATER
CLASS GA VALUE - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
PFOS - PERFLUOROOCTANESULFONIC ACID
PFOA - PERFLUOROOCTANOIC ACID
SCG - STANDARDS, CRITERIA, AND GUIDANCE

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:1,200
1" = 100'
0 50 100 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

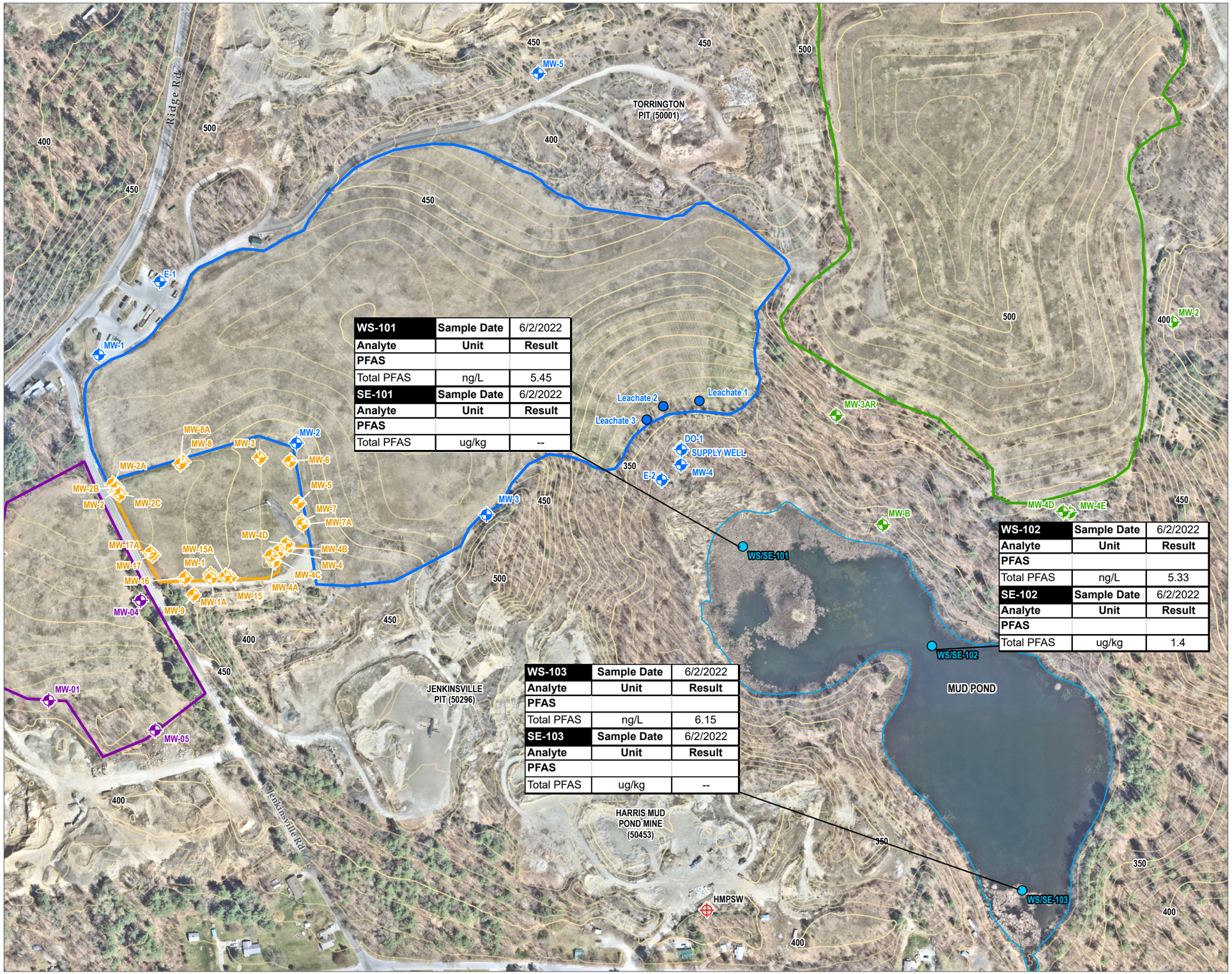
TITLE: CIBA-GEIGY LANDFILL
GROUNDWATER SAMPLE LOCATIONS, BEDROCK GROUNDWATER FLOW, AND SUMMARY OF SELECT RESULTS (JUNE 2022)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		
APPROVED BY:	J. KING		FIGURE 9
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By: LLILL on 1/29/2026, 1:45:33 PM; File Path: T:\1_PROJECTS\NYSDEC\453202_Queensbury\F2-ARR\XSC_2025\SC_2025.aprx; Layout Name: Fig09_Ciba_Geigy_GW_Sample_Locations_BR_GW_Flow_and_Results_June_2022



WS-101	Sample Date	6/2/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	5.45
SE-101	Sample Date	6/2/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ug/kg	--

WS-102	Sample Date	6/2/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	5.33
SE-102	Sample Date	6/2/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ug/kg	1.4

WS-103	Sample Date	6/2/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	6.15
SE-103	Sample Date	6/2/2022
Analyte	Unit	Result
PFAS		
Total PFAS	ug/kg	--

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- HARRIS MUD POND SUPPLY WELL
- LEACHATE COLLECTION MANHOLE
- SURFACE WATER AND SEDIMENT SAMPLE
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
3. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.
4. SURFACE WATER AND SEDIMENT SAMPLES WERE COLLECTED ON JUNE 2, 2022.
5. SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS WERE COLLECTED BY TRC ON JUNE 2, 2022 UTILIZING A HANDHELD GPS UNIT.
6. THERE ARE NO NYSDEC SEDIMENT REGULATORY CRITERIA FOR PFOA, PFOS, TOTAL PFAS, OR 1,4-DIOXANE.
7. THERE ARE NO NYSDEC SURFACE WATER REGULATORY CRITERIA FOR TOTAL PFAS.
8. ONLY MONITORING WELLS PRESENT AT THE TIME OF SURFACE SOIL SAMPLING ARE SHOWN.

ACRONYMS:
NG/L - NANOGRAMS PER LITER
UG/KG - MICROGRAMS PER KILOGRAM
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
SCG - STANDARDS, CRITERIA, AND GUIDANCE
-- - NO PFAS DETECTED

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:3,600
1" = 300'
0 150 300 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

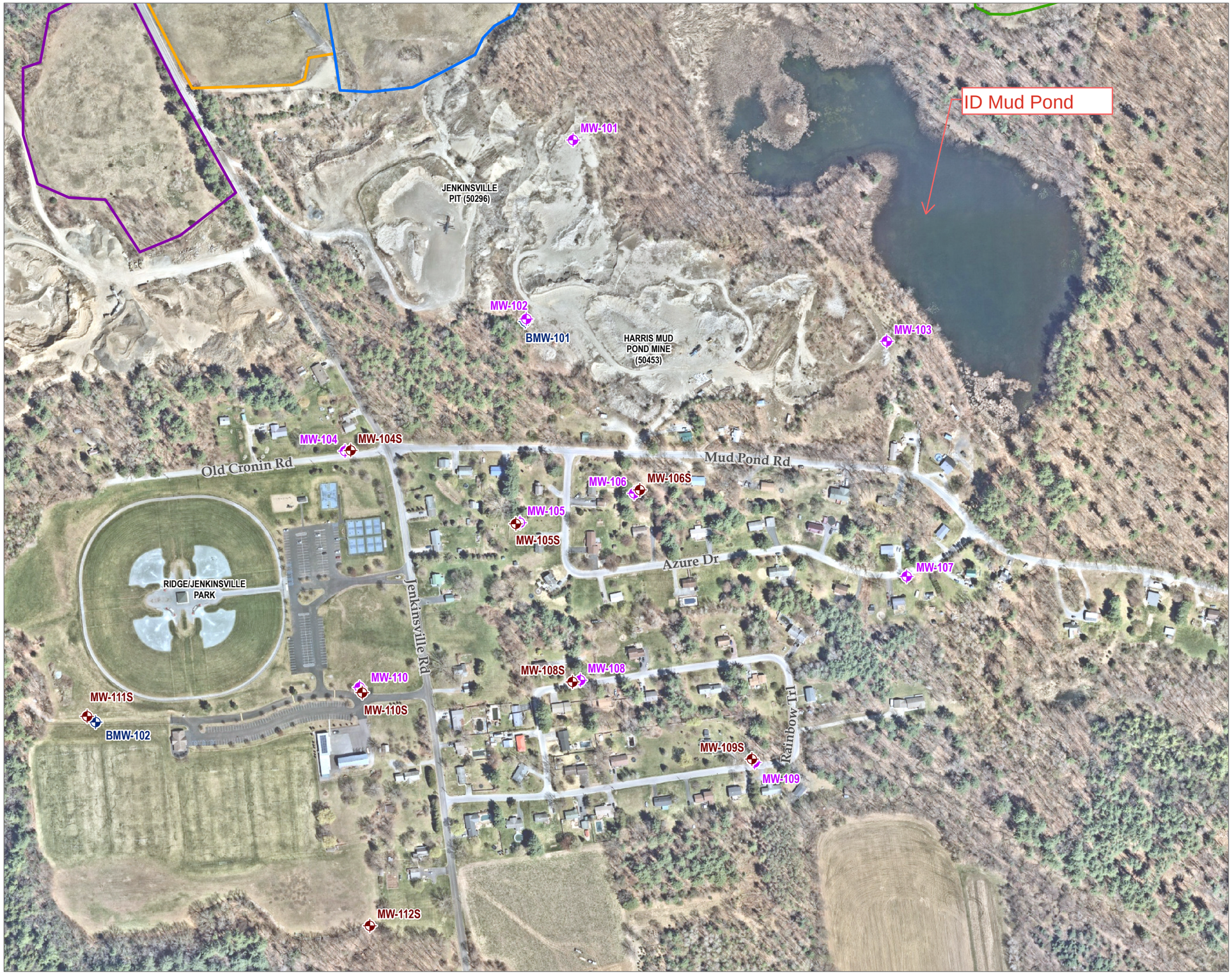
TITLE:
SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS AND SUMMARY OF SELECT RESULTS

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		FIGURE 10
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet Map Rotation: 0
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LEGEND

- OVERBURDEN MONITORING WELL (2023)
- OVERBURDEN MONITORING WELL (2024)
- BEDROCK MONITORING WELL (2023)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:3,840
1" = 320'
0 160 320 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

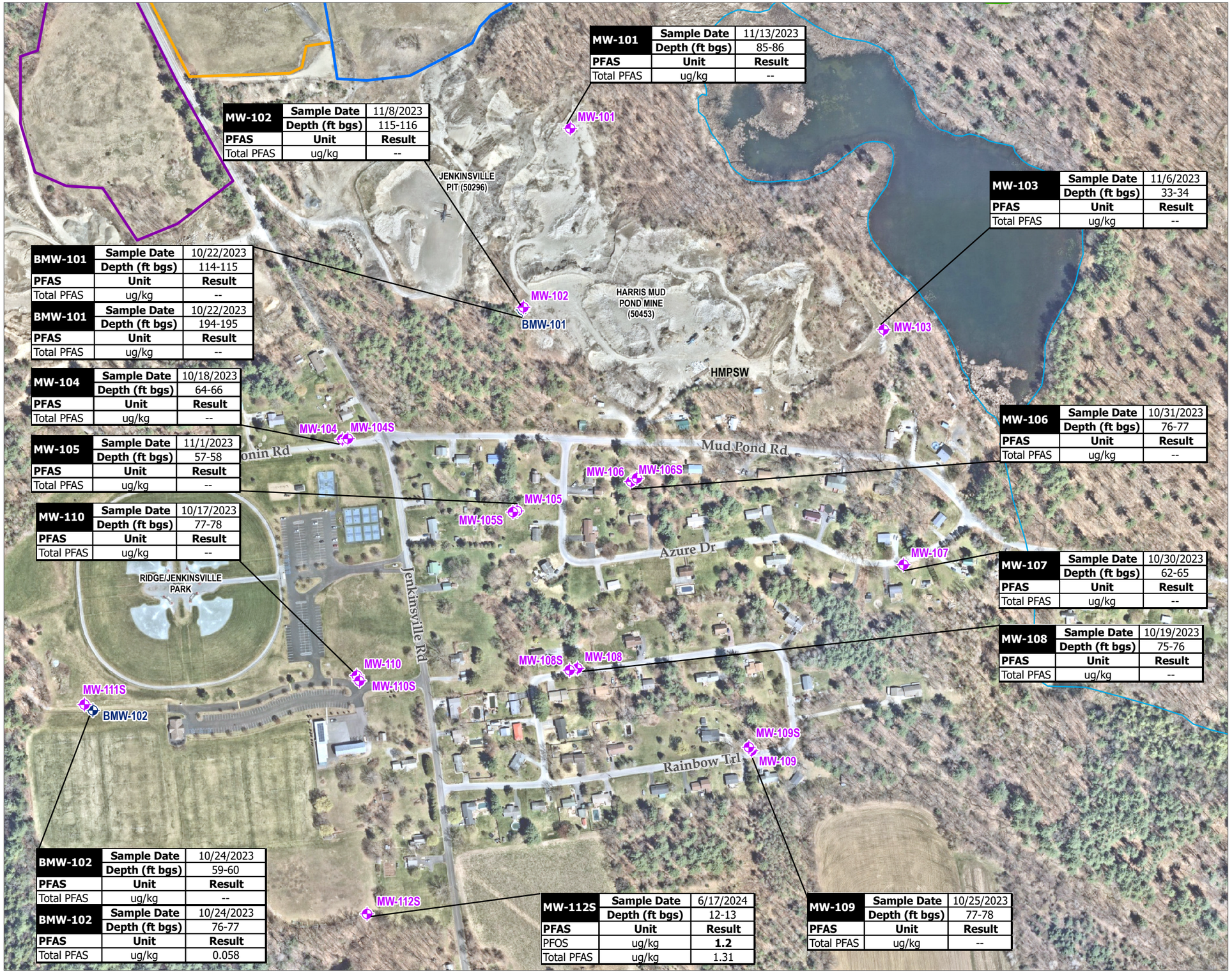
TITLE:
OFF-SITE MONITORING WELL LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	A. KOROS		**FIGURE 11**
APPROVED BY:	J. KING		
DATE:	MARCH 2025		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet - Map Rotation: 0
Saved By: LILL on 3/20/2025 10:23:16 AM - File Path: T:\...PROJECTS\NY\SEC\453202_Queensbury\LF2-APRX\SC_2025.aprx - Layout Name: Fig11_Off-Site_Monitoring_Well_Location_Map



MW-101	Sample Date	11/13/2023
	Depth (ft bgs)	85-86
PFAS	Unit	Result
Total PFAS	ug/kg	--

MW-102	Sample Date	11/8/2023
	Depth (ft bgs)	115-116
PFAS	Unit	Result
Total PFAS	ug/kg	--

MW-103	Sample Date	11/6/2023
	Depth (ft bgs)	33-34
PFAS	Unit	Result
Total PFAS	ug/kg	--

BMW-101	Sample Date	10/22/2023
	Depth (ft bgs)	114-115
PFAS	Unit	Result
Total PFAS	ug/kg	--

BMW-101	Sample Date	10/22/2023
	Depth (ft bgs)	194-195
PFAS	Unit	Result
Total PFAS	ug/kg	--

MW-104	Sample Date	10/18/2023
	Depth (ft bgs)	64-66
PFAS	Unit	Result
Total PFAS	ug/kg	--

MW-105	Sample Date	11/1/2023
	Depth (ft bgs)	57-58
PFAS	Unit	Result
Total PFAS	ug/kg	--

MW-106	Sample Date	10/31/2023
	Depth (ft bgs)	76-77
PFAS	Unit	Result
Total PFAS	ug/kg	--

MW-110	Sample Date	10/17/2023
	Depth (ft bgs)	77-78
PFAS	Unit	Result
Total PFAS	ug/kg	--

MW-107	Sample Date	10/30/2023
	Depth (ft bgs)	62-65
PFAS	Unit	Result
Total PFAS	ug/kg	--

MW-108	Sample Date	10/19/2023
	Depth (ft bgs)	75-76
PFAS	Unit	Result
Total PFAS	ug/kg	--

BMW-102	Sample Date	10/24/2023
	Depth (ft bgs)	59-60
PFAS	Unit	Result
Total PFAS	ug/kg	--

BMW-102	Sample Date	10/24/2023
	Depth (ft bgs)	76-77
PFAS	Unit	Result
Total PFAS	ug/kg	0.058

MW-112S	Sample Date	6/17/2024
	Depth (ft bgs)	12-13
PFAS	Unit	Result
PFOS	ug/kg	**1.2**
Total PFAS	ug/kg	1.31

MW-109	Sample Date	10/25/2023
	Depth (ft bgs)	77-78
PFAS	Unit	Result
Total PFAS	ug/kg	--

LEGEND

- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

ANALYTE	UNIT	UUSCO
PFAS		
Perfluorooctane sulfonic acid (PFOS)	ug/kg	0.88

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. RESULTS IN **BOLD** ARE ABOVE UUSCO.
3. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.

ACRONYMS:
UG/KG - MICROGRAMS PER KILOGRAM
UUSCO - UNRESTRICTED USE SOIL SCO PART 375 REMEDIAL PROGRAMS
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
SCG - STANDARDS, CRITERIA, AND GUIDANCE
-- - NO PFAS DETECTED

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:3,840
1" = 320'
0 160 320
FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

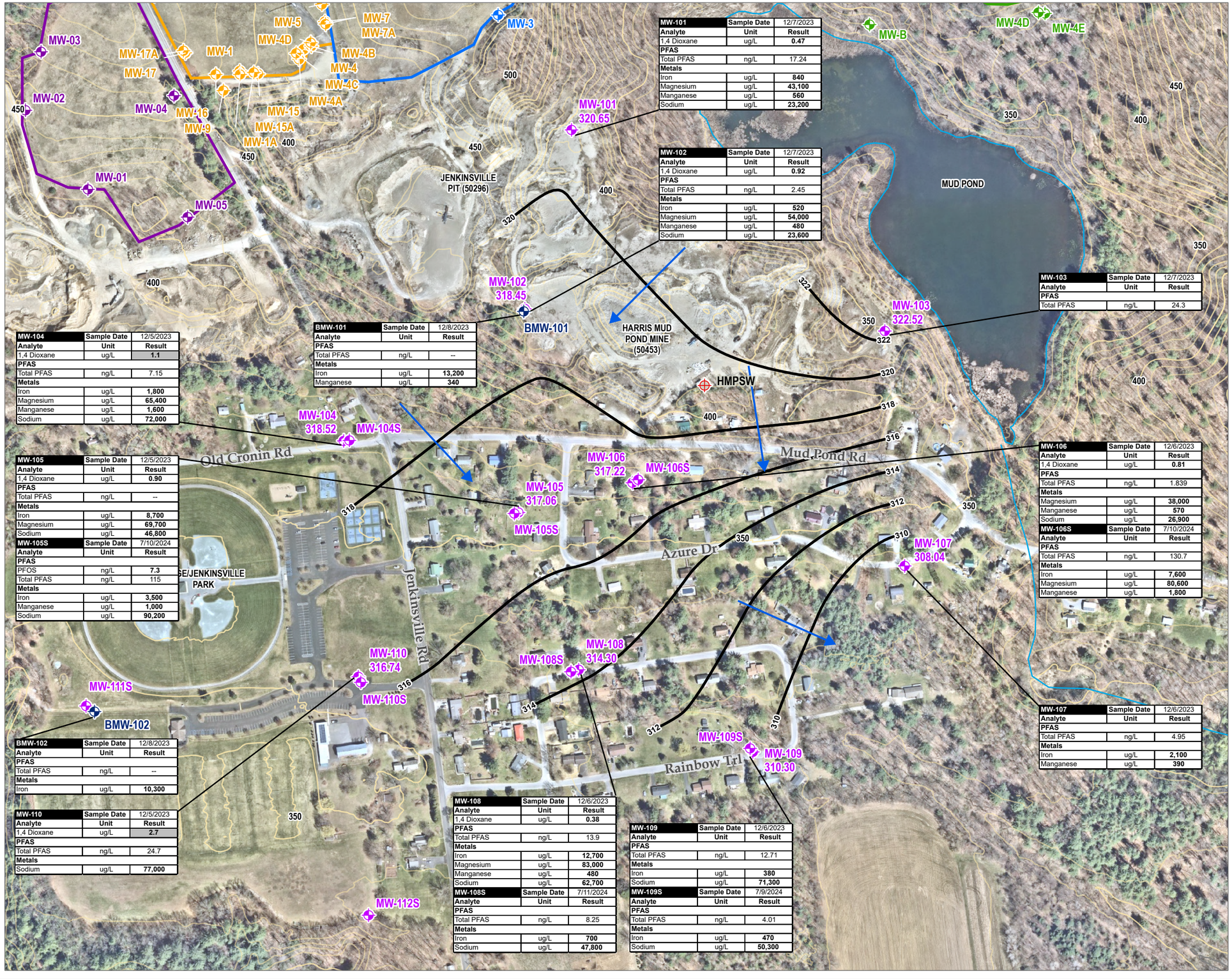
TITLE:
PER- AND POLYFLUOROALKYL SUBSTANCES ANALYTICAL RESULTS IN OFF-SITE SOILS

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	A. KOROS		
APPROVED BY:	J. KING		**FIGURE 12**
DATE:	MARCH 2025		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet Map Rotation: 0
Saved By: LLILL on 3/19/2025 10:53:37 AM File Path: T:\x-PROJECTS\NYSDEC-453202_Queensbury\4-P2-APRX\SC_2025\SC_2025.aprx Layout Name: Fig12_PFAS_Analytical_Results_in_Off-Site_Soils



MW-101	Sample Date	12/7/2023
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.47**
PFAS		
Total PFAS	ng/L	17.24
Metals		
Iron	ug/L	**840**
Magnesium	ug/L	**43,100**
Manganese	ug/L	**560**
Sodium	ug/L	**23,200**

MW-102	Sample Date	12/7/2023
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.92**
PFAS		
Total PFAS	ng/L	2.45
Metals		
Iron	ug/L	**520**
Magnesium	ug/L	**54,000**
Manganese	ug/L	**480**
Sodium	ug/L	**23,600**

MW-103	Sample Date	12/7/2023
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	24.3

MW-104	Sample Date	12/5/2023
Analyte	Unit	Result
1,4 Dioxane	ug/L	**1.1**
PFAS		
Total PFAS	ng/L	7.15
Metals		
Iron	ug/L	**1,800**
Magnesium	ug/L	**65,400**
Manganese	ug/L	**1,600**
Sodium	ug/L	**72,000**

BMW-101	Sample Date	12/8/2023
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	--
Metals		
Iron	ug/L	**13,200**
Manganese	ug/L	**340**

MW-105	Sample Date	12/5/2023
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.90**
PFAS		
Total PFAS	ng/L	--
Metals		
Iron	ug/L	**8,700**
Magnesium	ug/L	**69,700**
Sodium	ug/L	**46,800**

MW-105S	Sample Date	7/10/2024
Analyte	Unit	Result
PFAS		
PFOS	ng/L	**7.3**
Total PFAS	ng/L	115
Metals		
Iron	ug/L	**3,500**
Manganese	ug/L	**1,000**
Sodium	ug/L	**90,200**

BMW-102	Sample Date	12/8/2023
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	--
Metals		
Iron	ug/L	**10,300**

MW-110	Sample Date	12/5/2023
Analyte	Unit	Result
1,4 Dioxane	ug/L	**2.7**
PFAS		
Total PFAS	ng/L	24.7
Metals		
Sodium	ug/L	**77,000**

MW-106	Sample Date	12/6/2023
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.81**
PFAS		
Total PFAS	ng/L	1.839
Metals		
Magnesium	ug/L	**38,000**
Manganese	ug/L	**570**
Sodium	ug/L	**26,900**

MW-106S	Sample Date	7/10/2024
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	130.7
Metals		
Iron	ug/L	**7,600**
Magnesium	ug/L	**80,600**
Manganese	ug/L	**1,800**

MW-107	Sample Date	12/6/2023
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	4.95
Metals		
Iron	ug/L	**2,100**
Manganese	ug/L	**390**

MW-108	Sample Date	12/6/2023
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.38**
PFAS		
Total PFAS	ng/L	13.9
Metals		
Iron	ug/L	**12,700**
Magnesium	ug/L	**83,000**
Manganese	ug/L	**480**
Sodium	ug/L	**62,700**

MW-108S	Sample Date	7/11/2024
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	8.25
Metals		
Iron	ug/L	**700**
Sodium	ug/L	**47,800**

MW-109	Sample Date	12/6/2023
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	12.71
Metals		
Iron	ug/L	**380**
Sodium	ug/L	**71,300**

MW-109S	Sample Date	7/9/2024
Analyte	Unit	Result
PFAS		
Total PFAS	ng/L	4.01
Metals		
Iron	ug/L	**470**
Sodium	ug/L	**50,300**

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- HARRIS MUD POND SUPPLY WELL
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- OVERBURDEN GROUNDWATER SURFACE ELEVATION CONTOUR (2' INTERVALS)
- INFERRED OVERBURDEN GROUNDWATER FLOW DIRECTION
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD 88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED ON DECEMBER 5, 2023.
4. GROUNDWATER SAMPLES WERE COLLECTED BETWEEN DECEMBER 5, 2023 AND JULY 10, 2024 USING EITHER LOW-FLOW OR HAND-BAILING SAMPLING TECHNIQUES.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS AND TOTAL DETECTED PFAS ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. VALUES WITH GRAY SHADING EXCEED THE NYSDOH MCL.
9. THERE ARE NO NYSDEC OR NYSDOH GROUNDWATER REGULATORY CRITERIA FOR TOTAL PFAS.

ACRONYMS:
UG/L - MICROGRAMS PER LITER
NG/L - NANOGRAMS PER LITER
NC - NO CRITERIA
NYSDOH MCL - NEW YORK STATE DEPARTMENT OF HEALTH MAXIMUM CONTAMINANT LEVELS FOR FINISHED DRINKING WATER
CLASS GA VALUE - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
PFOS - PERFLUOROOCTANESULFONIC ACID
SCG - STANDARDS, CRITERIA, AND GUIDANCE
-- - NO PFAS DETECTED

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:3,840
1" = 320'
0 160 320 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE:
OFF-SITE SUMMARY OF SELECT GROUNDWATER ANALYTICAL RESULTS AND OVERBURDEN GROUNDWATER FLOW DIRECTION (OCTOBER 2023 - JULY 2024)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		FIGURE 13
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By: LLILL on 1/20/2026, 10:53:46 AM; File Path: T:\PROJECTS\NYSDEC\453202_Queensbury\F2-APRX\SC_2025\SC_2025.aprx; Layout Name: Fig13_Off-Site_Summary_of_Select_Groundwater_Analytical_Results_and_Overburden_Groundwater_Flow_Direction_Oct2023_July2024

ANALYTE	UNIT	CLASS GA VALUE
1,4-Dioxane - Total	ug/L	0.35
1,4-Dioxane - $\delta^{13}C$	VPDB	NS
1,4-Dioxane - $\delta^{2}H$	VSMOW	NS

MW-03	Sample Date	12/12/2023
Analyte	Unit	Result
1,4-Dioxane - Total	ug/L	**5.0**
1,4-Dioxane - $\delta^{13}C$	VPDB	-32.92
1,4-Dioxane - $\delta^{2}H$	VSMOW	-6.595

MW-102	Sample Date	12/7/2023
Analyte	Unit	Result
1,4-Dioxane - Total	ug/L	**0.92**
1,4-Dioxane - $\delta^{13}C$	VPDB	-33.53
1,4-Dioxane - $\delta^{2}H$	VSMOW	-81.5

HMPSW	Sample Date	12/12/2023
Analyte	Unit	Result
1,4-Dioxane - Total	ug/L	**0.83**
1,4-Dioxane - $\delta^{13}C$	VPDB	-33.57
1,4-Dioxane - $\delta^{2}H$	VSMOW	-58.74

MW-104	Sample Date	12/5/2023
Analyte	Unit	Result
1,4-Dioxane - Total	ug/L	**1.1**
1,4-Dioxane - $\delta^{13}C$	VPDB	-33.95
1,4-Dioxane - $\delta^{2}H$	VSMOW	-65.28

MW-106	Sample Date	12/6/2023
Analyte	Unit	Result
1,4-Dioxane - Total	ug/L	**0.81**
1,4-Dioxane - $\delta^{13}C$	VPDB	-32.93
1,4-Dioxane - $\delta^{2}H$	VSMOW	137.3

MW-105	Sample Date	12/5/2023
Analyte	Unit	Result
1,4-Dioxane - Total	ug/L	**0.9**
1,4-Dioxane - $\delta^{13}C$	VPDB	-33.06
1,4-Dioxane - $\delta^{2}H$	VSMOW	BAL

MW-110	Sample Date	12/5/2023
Analyte	Unit	Result
1,4-Dioxane - Total	ug/L	**2.7**
1,4-Dioxane - $\delta^{13}C$	VPDB	-36.56
1,4-Dioxane - $\delta^{2}H$	VSMOW	139.7

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- HARRIS MUD POND SUPPLY WELL
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- OVERBURDEN GROUNDWATER SURFACE ELEVATION CONTOUR (2' INTERVALS) (DECEMBER 5, 2023)
- INFERRED OFF-SITE OVERBURDEN GROUNDWATER FLOW DIRECTION (DECEMBER 5, 2023)
- INFERRED AREA GROUNDWATER FLOW DIRECTION (DECEMBER 5, 2023)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. VALUES SHOWN IN **BOLD** EXCEED THE NYSDEC GUIDANCE VALUE.

ACRONYMS:
UG/L - MICROGRAMS PER LITER
VPDB - VIENNA PEE DEE BELEMNITE
VSMOW - VIENNA STANDARD MEAN OCEAN WATER
CLASS GA VALUE - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER
$\delta^{13}C$ - CARBON-13 ISOTOPE
$\delta^{2}H$ - HYDROGEN-2 ISOTOPE
NS - NO STANDARD
CSIA - COMPOUND SPECIFIC ISOTOPE ANALYSIS

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:3,840
1" = 320'
0 160 320 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

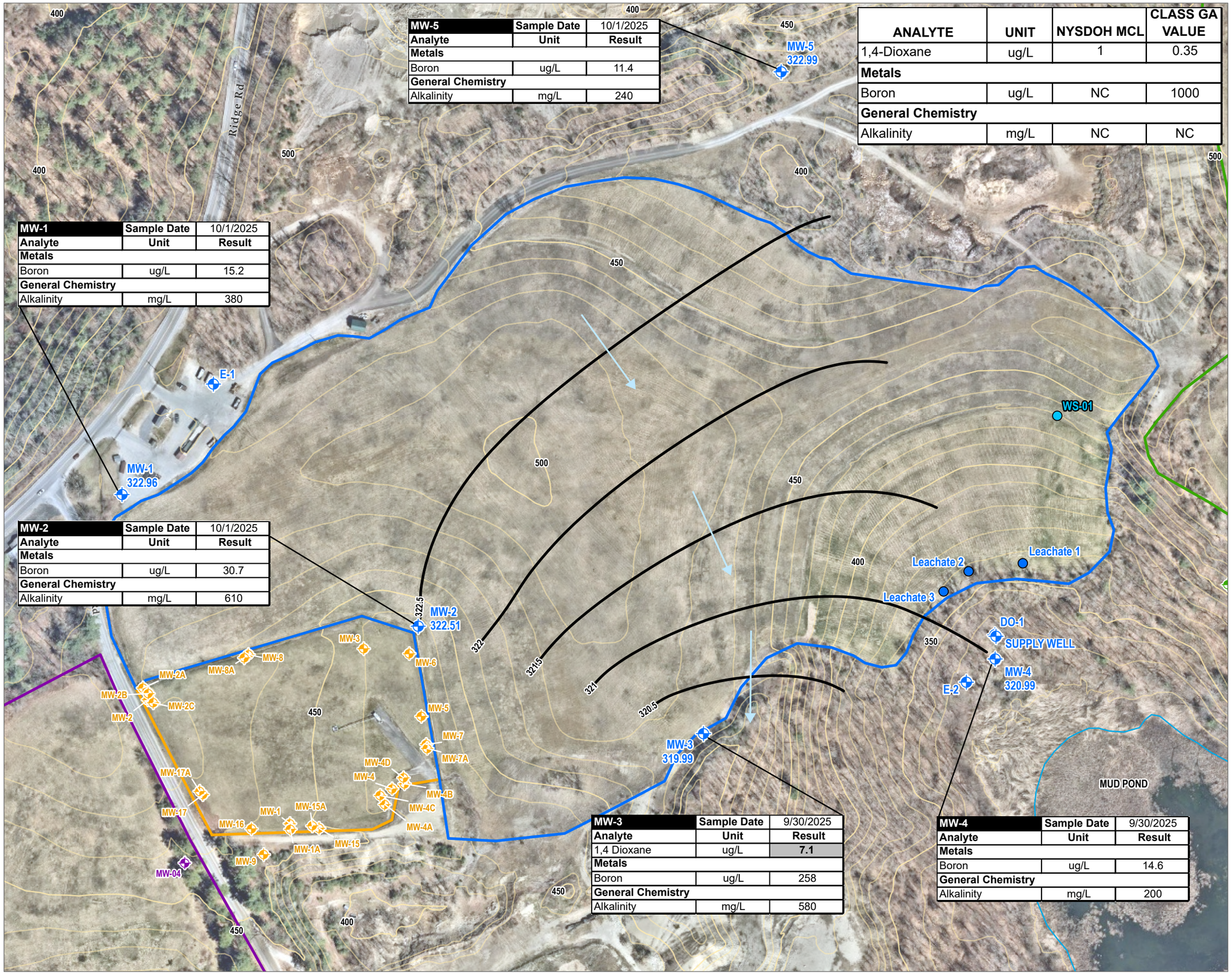
TITLE:
TOTAL AND CSIA 1,4-DIOXANE GROUNDWATER ANALYTICAL RESULTS AND AREA GROUNDWATER FLOW DIRECTION

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		
APPROVED BY:	J. KING		**FIGURE 14**
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet Map Rotation: 0
Saved By: LILL on 1/20/2026 08:13:42 AM File Path: I:\TRC\PROJECTS\NYSDEC-453202_Queensbury\L-P2-APRX\SC_2025\SC_2025.aprx Layout Name: Fig14_Total_and_CSIA_1,4-Dioxane_Groundwater_Analytical_Results_and_Area_Groundwater_Flow



MW-5	Sample Date	10/1/2025
Analyte	**Unit**	**Result**
Metals		
Boron	ug/L	11.4
General Chemistry		
Alkalinity	mg/L	240

MW-1	Sample Date	10/1/2025
Analyte	**Unit**	**Result**
Metals		
Boron	ug/L	15.2
General Chemistry		
Alkalinity	mg/L	380

MW-2	Sample Date	10/1/2025
Analyte	**Unit**	**Result**
Metals		
Boron	ug/L	30.7
General Chemistry		
Alkalinity	mg/L	610

MW-3	Sample Date	9/30/2025
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**7.1**
Metals		
Boron	ug/L	258
General Chemistry		
Alkalinity	mg/L	580

MW-4	Sample Date	9/30/2025
Analyte	**Unit**	**Result**
Metals		
Boron	ug/L	14.6
General Chemistry		
Alkalinity	mg/L	200

ANALYTE	UNIT	NYSDOH MCL	CLASS GA VALUE
1,4-Dioxane	ug/L	1	0.35
Metals			
Boron	ug/L	NC	1000
General Chemistry			
Alkalinity	mg/L	NC	NC

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- LEACHATE COLLECTION MANHOLE
- SURFACE WATER SAMPLE
- INFERRED OVERBURDEN GROUNDWATER FLOW DIRECTION
- OVERBURDEN GROUNDWATER SURFACE ELEVATION CONTOUR (0.5' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED ON SEPTEMBER 22, 2025.
4. GROUNDWATER SAMPLES WERE COLLECTED ON SEPTEMBER 30, 2025 AND OCTOBER 1, 2025 USING LOW FLOW SAMPLING TECHNIQUES, EXCEPT FOR MW-4 WHICH WAS SAMPLED USING A DISPOSABLE BAILER.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS, BORON, AND ALKALINITY ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. VALUES WITH GRAY SHADING EXCEED THE NYSDOH MCL.

ACRONYMS:
ug/L - MICROGRAMS PER LITER
mg/L - MILLIGRAMS PER LITER
NC - NO NYSDEC OR NYSDOH SCREENING VALUE EXISTS FOR THIS ANALYTE
ND - ANALYTE WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT
NYSDOH MCL - NEW YORK STATE DEPARTMENT OF HEALTH MAXIMUM CONTAMINANT LEVELS FOR FINISHED DRINKING WATER
NYSEC CLASS GA VALUE - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:2,400
1" = 200'
0 100 200 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE: QUEENSBURY LANDFILL
SUMMARY OF SELECT GROUNDWATER ANALYTICAL RESULTS AND OVERBURDEN GROUNDWATER FLOW DIRECTION (SEPTEMBER AND OCTOBER 2025)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

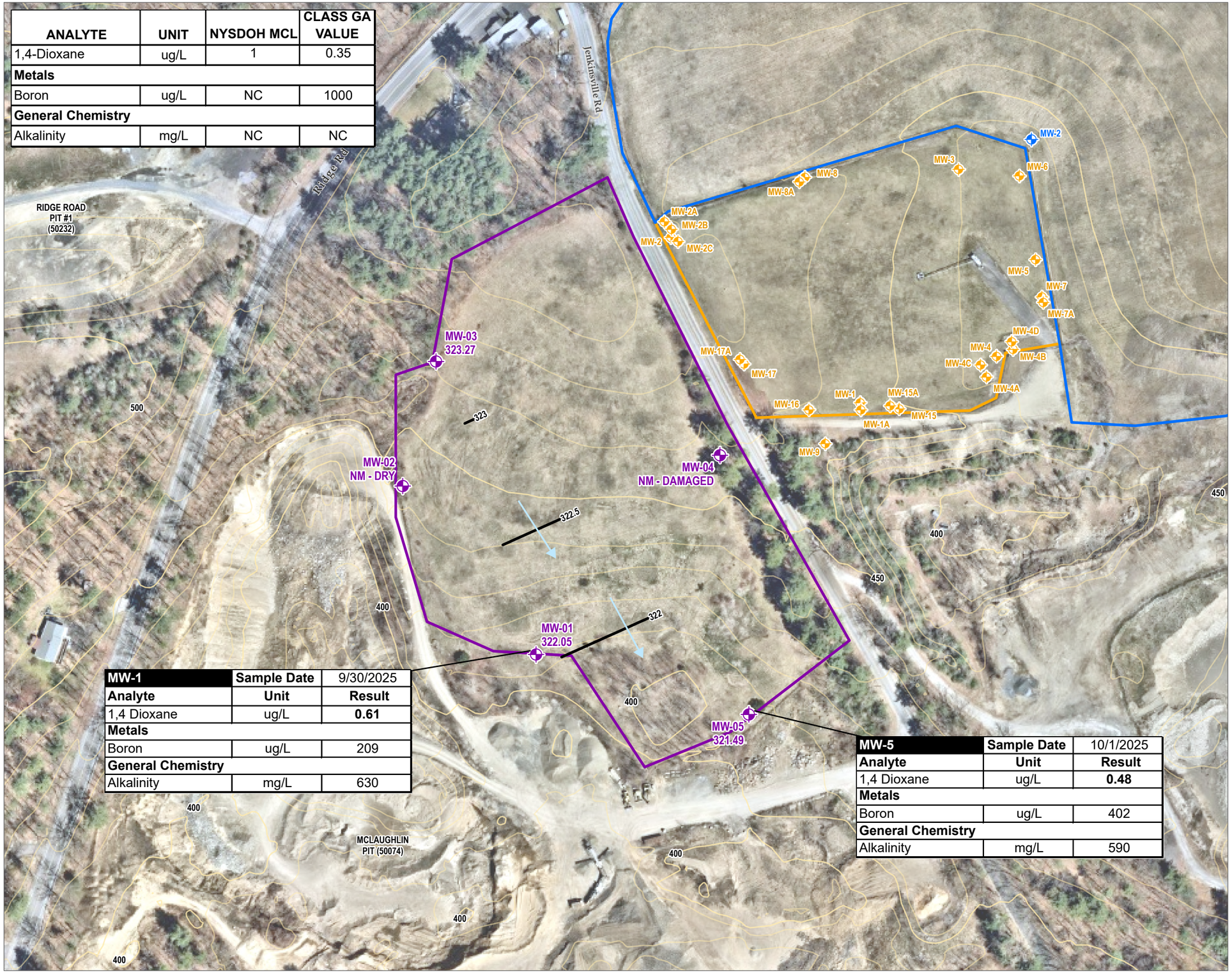
FIGURE 15

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By LLILL on 1/30/2026, 10:40:06 AM; File Path: T:\PROJECTS\YNSEC\453202_Queensbury\4 Fig\4-APRX\SC_2025\SC_2025.aprx; Layout Name: Fig15_QNSB_LF_Summary_of_Select_GW_Analytical_Results_and_OB_GW_Flow_Direction_Sept_Oct_2025

ANALYTE	UNIT	NYSDOH MCL	CLASS GA VALUE
1,4-Dioxane	ug/L	1	0.35
Metals			
Boron	ug/L	NC	1000
General Chemistry			
Alkalinity	mg/L	NC	NC



MW-1	Sample Date	9/30/2025
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.61**
Metals		
Boron	ug/L	209
General Chemistry		
Alkalinity	mg/L	630

MW-5	Sample Date	10/1/2025
Analyte	**Unit**	**Result**
1,4 Dioxane	ug/L	**0.48**
Metals		
Boron	ug/L	402
General Chemistry		
Alkalinity	mg/L	590

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- INFERRED OVERBURDEN GROUNDWATER FLOW DIRECTION
- OVERBURDEN GROUNDWATER SURFACE ELEVATION CONTOUR (0.5' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- MCLAUGHLIN LANDFILL

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED ON SEPTEMBER 22, 2025.
4. GROUNDWATER SAMPLES WERE COLLECTED ON SEPTEMBER 30, 2025 AND OCTOBER 1, 2025 USING DISPOSABLE BAILERS. MONITORING WELL MW-2 AND MW-3 WERE DRY OR HAD INSUFFICIENT VOLUME TO SAMPLE. MW-4 COULD NOT BE SAMPLED - THE RISER PIPE WAS BENT. MW-5 WAS BAILED DRY - THE RECOVERY WAS ANALYZED.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS, BORON, AND ALKALINITY ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. VALUES WITH GRAY SHADING EXCEED THE NYSDOH MCL.

ACRONYMS:
ug/L - MICROGRAMS PER LITER
mg/L - MILLIGRAMS PER LITER
NC - NO NYSDEC OR NYSDOH SCREENING VALUES EXISTS FOR THIS ANALYTE
ND - ANALYTE WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT
NM - GROUNDWATER LEVEL NOT MEASURED
NYSDOH MCL - NEW YORK STATE DEPARTMENT OF HEALTH MAXIMUM CONTAMINANT LEVELS FOR FINISHED DRINKING WATER
NYSDEC CLASS GA VALUE - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L
1:1,800
1" = 150'
0 75 150 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

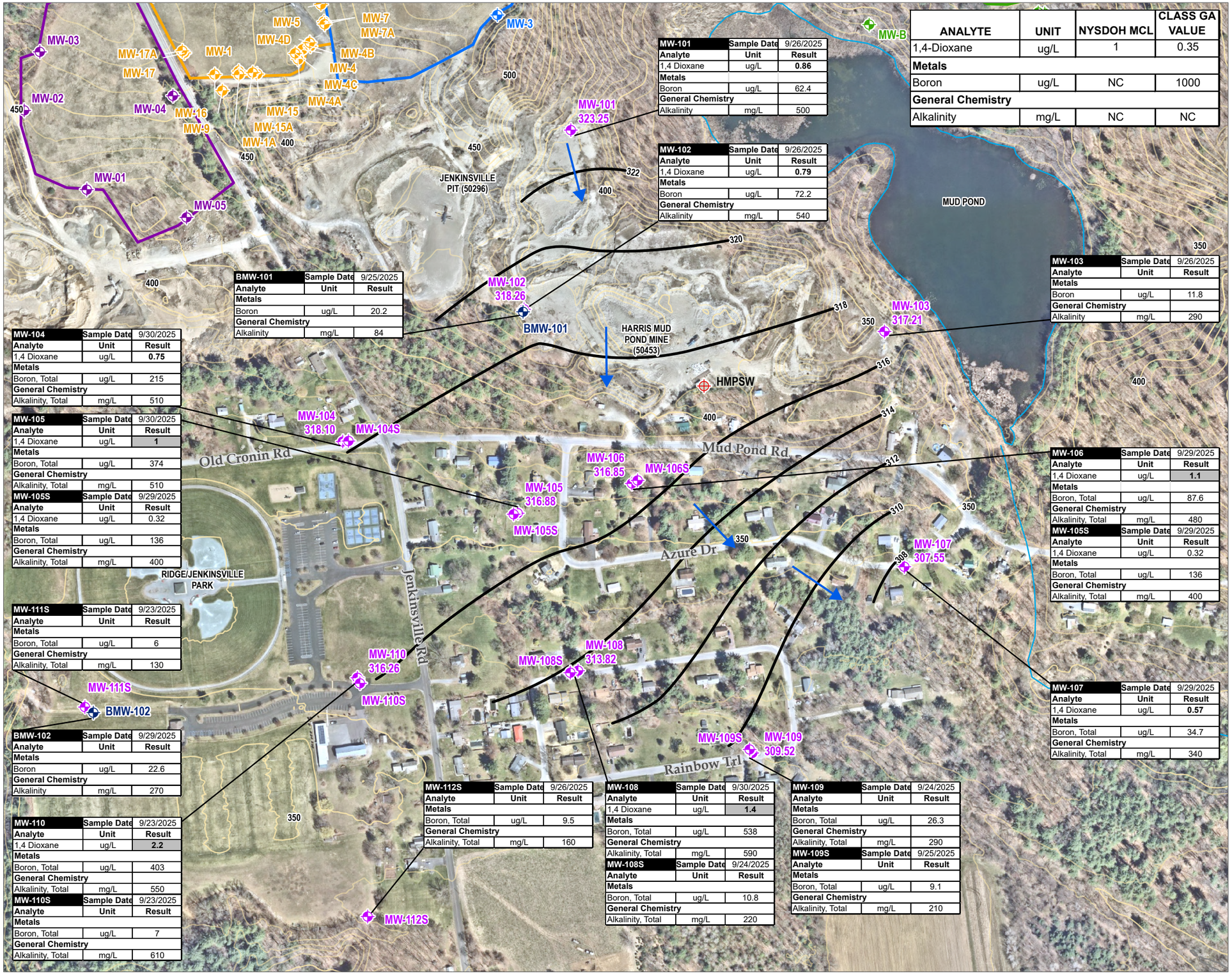
TITLE:
MCLAUGHLIN LANDFILL
SUMMARY OF SELECT GROUNDWATER ANALYTICAL RESULTS AND OVERBURDEN GROUNDWATER FLOW DIRECTION (SEPTEMBER AND OCTOBER 2025)

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		FIGURE 16
APPROVED BY:	J. KING		
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By: LLILL on 1/20/2026 - 10:49:57 AM; File Path: T:\PROJECTS\NY\SDC\453202_Queensbury\LF2-APRX\SC_2025\SC_2025.aprx; Layout Name: Fig16_McLaughlin_LF_Summary_of_Select_GW_Analytical_Results_and_OB_GW_Flow_Direction_Sept_Oct_2025



MW-101	Sample Date	9/26/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.86**
Metals		
Boron	ug/L	62.4
General Chemistry		
Alkalinity	mg/L	500

MW-102	Sample Date	9/26/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.79**
Metals		
Boron	ug/L	72.2
General Chemistry		
Alkalinity	mg/L	540

ANALYTE	UNIT	NYSDOH MCL	CLASS GA VALUE
1,4-Dioxane	ug/L	1	0.35
Metals			
Boron	ug/L	NC	1000
General Chemistry			
Alkalinity	mg/L	NC	NC

BMW-101	Sample Date	9/25/2025
Analyte	Unit	Result
Metals		
Boron	ug/L	20.2
General Chemistry		
Alkalinity	mg/L	84

MW-103	Sample Date	9/26/2025
Analyte	Unit	Result
Metals		
Boron	ug/L	11.8
General Chemistry		
Alkalinity	mg/L	290

MW-104	Sample Date	9/30/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.75**
Metals		
Boron, Total	ug/L	215
General Chemistry		
Alkalinity, Total	mg/L	510

MW-105	Sample Date	9/30/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	**1**
Metals		
Boron, Total	ug/L	374
General Chemistry		
Alkalinity, Total	mg/L	510

MW-105S	Sample Date	9/29/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	0.32
Metals		
Boron, Total	ug/L	136
General Chemistry		
Alkalinity, Total	mg/L	400

MW-106	Sample Date	9/29/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	**1.1**
Metals		
Boron, Total	ug/L	87.6
General Chemistry		
Alkalinity, Total	mg/L	480

MW-105S	Sample Date	9/29/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	0.32
Metals		
Boron, Total	ug/L	136
General Chemistry		
Alkalinity, Total	mg/L	400

MW-111S	Sample Date	9/23/2025
Analyte	Unit	Result
Metals		
Boron, Total	ug/L	6
General Chemistry		
Alkalinity, Total	mg/L	130

MW-107	Sample Date	9/29/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	**0.57**
Metals		
Boron, Total	ug/L	34.7
General Chemistry		
Alkalinity, Total	mg/L	340

BMW-102	Sample Date	9/29/2025
Analyte	Unit	Result
Metals		
Boron	ug/L	22.6
General Chemistry		
Alkalinity	mg/L	270

MW-110	Sample Date	9/23/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	**2.2**
Metals		
Boron, Total	ug/L	403
General Chemistry		
Alkalinity, Total	mg/L	550

MW-110S	Sample Date	9/23/2025
Analyte	Unit	Result
Metals		
Boron, Total	ug/L	7
General Chemistry		
Alkalinity, Total	mg/L	610

MW-112S	Sample Date	9/26/2025
Analyte	Unit	Result
Metals		
Boron, Total	ug/L	9.5
General Chemistry		
Alkalinity, Total	mg/L	160

MW-108	Sample Date	9/30/2025
Analyte	Unit	Result
1,4 Dioxane	ug/L	**1.4**
Metals		
Boron, Total	ug/L	538
General Chemistry		
Alkalinity, Total	mg/L	590

MW-108S	Sample Date	9/24/2025
Analyte	Unit	Result
Metals		
Boron, Total	ug/L	10.8
General Chemistry		
Alkalinity, Total	mg/L	220

MW-109	Sample Date	9/24/2025
Analyte	Unit	Result
Metals		
Boron, Total	ug/L	26.3
General Chemistry		
Alkalinity, Total	mg/L	290

MW-109S	Sample Date	9/25/2025
Analyte	Unit	Result
Metals		
Boron, Total	ug/L	9.1
General Chemistry		
Alkalinity, Total	mg/L	210

LEGEND

- CIBA-GEIGY LANDFILL MONITORING WELL
- QUEENSBURY LANDFILL MONITORING WELL
- FINCH PAPER LANDFILL MONITORING WELL
- MCLAUGHLIN LANDFILL MONITORING WELL
- HARRIS MUD POND SUPPLY WELL
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- INFERRED OVERBURDEN GROUNDWATER FLOW DIRECTION
- OVERBURDEN GROUNDWATER SURFACE ELEVATION CONTOUR (2' INTERVALS)
- TOPOGRAPHIC CONTOUR (10' INTERVALS)
- CIBA-GEIGY LANDFILL
- QUEENSBURY LANDFILL
- FINCH PAPER LANDFILL
- MCLAUGHLIN LANDFILL
- MUD POND

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. ELEVATION DATUM IS NAVD88.
3. GROUNDWATER SURFACE ELEVATIONS IN MONITORING WELLS WERE MEASURED ON SEPTEMBER 22, 2025.
4. GROUNDWATER SAMPLES WERE COLLECTED BETWEEN SEPTEMBER 23 AND 30, 2025 USING LOW FLOW SAMPLING TECHNIQUES. MONITORING WELL MW-104S WAS DRY AND COULD NOT BE SAMPLED.
5. FOR FIGURE CLARITY, DUPLICATE DATA AND LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE SUMMARY TABLES AND/OR LABORATORY ANALYTICAL REPORTS FOR DUPLICATE DATA AND QUALIFIERS.
6. FOR FIGURE CLARITY, ONLY APPLICABLE SCG EXCEEDING COMPOUNDS, BORON, AND ALKALINITY ARE SHOWN.
7. **BOLD TEXT** INDICATES RESULT EXCEEDS CLASS GA VALUE.
8. VALUES WITH GRAY SHADING EXCEED THE NYSDOH MCL.

ACRONYMS:
ug/L - MICROGRAMS PER LITER
mg/L - MILLIGRAMS PER LITER
NC - NO NYSDEC OR NYSDOH SCREENING VALUE EXISTS FOR THIS ANALYTE
ND - ANALYTE WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT
NYSDOH MCL - NEW YORK STATE DEPARTMENT OF HEALTH MAXIMUM CONTAMINANT LEVELS FOR FINISHED DRINKING WATER
NYSDEC CLASS GA VALUE - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER

BASE MAP: NEAR MAP IMAGERY DATED APRIL 30, 2022
SHEET SIZE: 11X17L

1:3,840
1" = 320'
0 160 320 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
QUEENSBURY LANDFILL - SITE NO. 557005
RIDGE ROAD
QUEENSBURY, NEW YORK 12801

TITLE: **OFF-SITE SUMMARY OF SELECT GROUNDWATER ANALYTICAL RESULTS AND OVERBURDEN GROUNDWATER FLOW DIRECTION (SEPTEMBER 2025)**

DRAWN BY:	L. LILL	PROJ. NO.:	453202.0000.0000
CHECKED BY:	K. BAKER		
APPROVED BY:	J. KING		**FIGURE 17**
DATE:	JANUARY 2026		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SC_2025.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By: LLILL on 12/9/2025, 10:05:46 AM; File Path: T:\PROJECTS\NY\SECC\453202_Queensbury\LR2-APRX\SC_2025\SC_2025.aprx; Layout Name: Fig17_Off-Site_Summary_of_Select_GW_Analytical_Results_and_OB_GW_Flow_Direction_Sept_Oct_2025

APPENDIX A

LANDFILL ENVIRONMENTAL SAMPLING LOGS

GROUNDWATER SAMPLING LOG

PROJECT NAME		LOCATION ID	DATE
Queensbury LF		MW-01	4/15/2022
PROJECT NUMBER		**START TIME**	**END TIME**
453208.0000.0000		10:40	11:20
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MCLN-MW-1	11:20	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	96.37 FT	**FINAL DTW (BMP)**	97.99 FT	**PROT. CASING STICKUP (AGS)**	2.5 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	103.92 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	7.55 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.27 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.24 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.11	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:40	**BEGIN PURGING**									
10:50	95.78	-	15.44	1.201	8.10	3.12	291.00	-110.00	N/A	
11:00	97.38	-	15.73	1.103	7.95	2.98	203.00	-92.0	N/A	
11:10	97.99	-	15.73	1.100	7.92	2.87	167.00	-87.0	N/A	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

16	**1.10**	**7.9**	**2.9**	**167**	**-87**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2" Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.5

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Used 1.75" HDPE Bailer

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 4/18/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-MCLN-MW-2
SAMPLE TIME	10:15

LOCATION ID	MW-2
DATE	4/18/2022
START TIME	9:20
END TIME	10:15
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	95.51 FT	**FINAL DTW (BMP)**	97.13 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	98.68 FT	**SCREEN LENGTH**	- FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	3.17 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.27 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.52 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	0.52 GAL	**DRAWDOWN/ TOTAL PURGED**	0.51	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
9:30	95.78	N/A	13.93	1.73	7.71	19.21	34.10	82.00	N/A	Slow recharge

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

14	**1.73**	**7.7**	**19.2**	**34.1**	**82**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2" Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED		X
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 0.52

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Only one volume purged due to excessive drawdown

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 4/18/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-MCLN-MW-3
SAMPLE TIME	11:30

LOCATION ID	MW-3
DATE	4/18/2022
START TIME	10:20
END TIME	11:30
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	140.45 FT	**FINAL DTW (BMP)**	141.5 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	143.1 FT	**SCREEN LENGTH**	- FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	2.65 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.17 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.43 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	0.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.34	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
10:25	141.50	N/A	14.73	1.10	6.95	18.51	17.20	76.00	N/A	Slow recharge

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	15	**1.10**	**7.0**	**18.5**	**17.2**	**76**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2" Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED		X
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 0.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Only one volume purged due to excessive drawdown
Very slow recharge, used low-flow (bailer) method
(Only purged 0.5 gal due to drawdown)

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 4/18/2022

GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF		
PROJECT NUMBER	453208.0000.0000		
SAMPLE ID	QNSB-MCLN-MW-05	SAMPLE TIME	13:30

LOCATION ID	MW-5	DATE	4/18/2022
START TIME	11:45	END TIME	13:30
SITE NAME/NUMBER	557005	PAGE	1 OF 1

WELL DIAMETER (INCHES): [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES): [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP): [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	89.35 FT	FINAL DTW (BMP)	93.12 FT	PROT. CASING STICKUP (AGS)	- FT	TOC/TOR DIFFERENCE	- FT
WELL DEPTH (BMP)	97.01 FT	SCREEN LENGTH	- FT	PID AMBIENT AIR	N/A PPM	REFILL TIMER SETTING	- SEC
WATER COLUMN	7.66 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.62 GAL	PID WELL MOUTH	N/A PPM	DISCHARGE TIMER SETTING	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.26 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	- GAL	DRAWDOWN/ TOTAL PURGED	-	PRESSURE TO PUMP	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
11:30	89.51	N/A	14.61	2.10	7.15	20.11	391.20	89.00	N/A	High turbidity
12:00	90.71	N/A	15.17	2.51	7.31	22.71	202.70	81.00	N/A	High turbidity
12:15	91.12	N/A	15.89	2.97	7.30	26.11	97.30	83.00	N/A	High turbidity

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	16	**2.97**	**7.3**	**26.1**	**97.3**	**83**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2" Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: -

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Turbidity is high, but sample taken due to drawdown
High turbidity, high drawdown

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 4/18/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME		LOCATION ID	DATE
Queensbury LF		MW-01	4/15/2022
PROJECT NUMBER		**START TIME**	**END TIME**
453208.0000.0000		9:30	10:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-01	10:15	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	163.01 FT	**FINAL DTW (BMP)**	165.66 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	183.21 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	20.2 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.43 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.31 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.12	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:30	**BEGIN PURGING**									
9:40	163.20	N/A	11.68	0.982	8.27	3.91	201	-68	N/A	
9:50	164.47	N/A	11.92	0.971	8.29	3.02	180	-65	N/A	
10:00	165.02	N/A	11.97	0.970	8.31	2.89	172	-64	N/A	
10:10	165.66	N/A	11.99	0.968	8.31	2.89	168	-61	N/A	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

12	**0.968**	**8.3**	**2.9**	**168**	**-61**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 1.75" HDPE Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED		X
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Used 1.75" HDPE bailer due to depth

Sampler Signature: 

Print Name: R. DePolo

Checked By: Aubrey Burns

Date: 4/14/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Suite 202, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME		LOCATION ID	DATE
Queensbury LF		MW-02	4/14/2022
PROJECT NUMBER		**START TIME**	**END TIME**
453208.0000.0000		13:00	14:00
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-02	14:00	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	117.7 FT	**FINAL DTW (BMP)**	118.82 FT	**PROT. CASING STICKUP (AGS)**	2.5 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	132.85 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	15.15 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.18 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.48 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.04	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:00	**BEGIN PURGING**									
13:10	118.10	N/A	12.61	1.121	7.69	13.81	138	-72	N/A	
13:20	118.61	N/A	12.70	0.981	7.71	12.92	117	-71	N/A	
13:30	118.73	N/A	12.75	0.902	7.72	12.90	103	-68	N/A	
13:40	118.77	N/A	12.78	0.881	7.77	12.88	98	-66	N/A	
13:50	118.82	N/A	12.81	0.877	7.75	12.87	92	-65	N/A	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

13	**0.877**	**7.8**	**12.9**	**92**	**-65**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 1.75" HDPE Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 4.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Attempted w/ bladder-pummp, equipment was non-functional. Used 1.75" HDPE bailer.

Sampler Signature: Print Name: R. DePolo

Checked By: Aubrey Burns Date: 4/14/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Suite 202, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME		LOCATION ID	DATE
Queensbury LF		MW-03	4/13/2022
PROJECT NUMBER		**START TIME**	**END TIME**
453208.0000.0000		12:00	12:40
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-3	12:40	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	117.61 FT	**FINAL DTW (BMP)**	118.21 FT	**PROT. CASING STICKUP (AGS)**	2 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	132.81 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	15.2 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.10 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.49 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	6.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.02	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
12:00	**BEGIN PURGING**									
12:10	117.61	N/A	12.01	4.31	7.51	8.37	147.00	120.00	N/A	Bailer used (2")
12:20	117.89	N/A	12.31	2.71	7.57	9.01	121.00	98.00	N/A	
12:30	118.01	N/A	12.37	2.53	7.61	9.31	89.00	83.00	N/A	
12:40	118.21	N/A	12.42	2.47	7.66	9.33	87.00	77.00	N/A	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

12	**2.47**	**7.7**	**9.3**	**87.0**	**77**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER Horriba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 6.5

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Bailer used due to depth, poor recovery

Sampler Signature:  Print Name: R. DePolo

Checked By: Aubrey Burns Date: 4/13/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Suite 202, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME		LOCATION ID	DATE
Queensbury LF		MW-04	4/13/2022
PROJECT NUMBER		**START TIME**	**END TIME**
453208.0000.0000		10:40	11:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-4	11:15	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	7.01 FT	**FINAL DTW (BMP)**	7.44 FT	**PROT. CASING STICKUP (AGS)**	1.25 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	18.61 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	11.6 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.07 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.90 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	**DRAWDOWN/ TOTAL PURGED**	0.021698462	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:40	**BEGIN PURGING**									
10:50	7.12	N/A	12.01	0.917	7.81	13.61	202	191	N/A	
11:00	7.41	N?A	12.14	0.935	7.77	12.91	113	132	N/A	
11:10	7.44	N/A	12.27	0.942	7.68	12.72	98	118	N/A	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

12	**0.942**	**7.7**	**12.7**	**98.0**	**118**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [X] OTHER 1.75" HDPE Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 3.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Bailer used (1.75")

Sampler Signature: [signature] Print Name: R. DePolo

Checked By: Aubrey Burns Date: 4/13/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Suite 202, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME		LOCATION ID	DATE
Queensbury LF		MW-05	4/13/2022
PROJECT NUMBER		**START TIME**	**END TIME**
453208.0000.0000		14:20	15:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-5	15:10	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	94.9 FT	**FINAL DTW (BMP)**	96.42 FT	**PROT. CASING STICKUP (AGS)**	2 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	114.31 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	19.41 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.25 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.18 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	7.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.03	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:00	**BEGIN PURGING**									
14:10	95.10	N/A	13.61	0.781	7.19	11.01	107	89	N/A	
14:20	95.37	N/A	13.80	0.777	7.22	9.81	89	92	N/A	
14:30	96.00	N/A	13.97	0.763	7.29	9.53	72	101	N/A	
14:40	96.30	N/A	13.89	0.761	7.31	9.43	63	103	N/A	
14:50	96.41	N/A	13.91	0.759	7.33	9.91	49	105	N/A	
15:00	96.42	N/A	13.94	0.756	7.35	9.38	42	107	N/A	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

14	**0.756**	**7.4**	**9.4**	**42.0**	**107**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 1.75" HDPE Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 7.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Bailer used (1.75")

Sampler Signature: 

Print Name: R. DePolo

Checked By: Aubrey Burns

Date: 4/13/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Suite 202, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-FNCH-MW-3AR
SAMPLE TIME	10:30

LOCATION ID	MW-3AR
DATE	4/22/2022
START TIME	9:35
END TIME	10:30
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	87.24 FT	**FINAL DTW (BMP)**	87.23 FT	**PROT. CASING STICKUP (AGS)**	1.5 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	108.61 FT	**SCREEN LENGTH**	Unknown FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	21.37 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.50 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.00	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:35	**BEGIN PURGING**									
9:55	87.24	Bailer	11.65	0.996	8.04	16.32	161.00	120.00	-	
10:10	86.90	Bailer	11.14	0.869	8.17	12.84	131.00	148.00	-	
10:25	87.23	Bailer	11.11	0.853	7.44	12.90	68.20	269.00	-	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

11	**0.85**	**7.4**	**12.9**	**68.2**	**260**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2" Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 3.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Rich DePolo

Checked By: Aubrey Burns Date: 4/22/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-FNCH-MW-4D
SAMPLE TIME	10:25

LOCATION ID	MW-4D
DATE	4/21/2022
START TIME	9:15
END TIME	10:25
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	54.63 FT	**FINAL DTW (BMP)**	54.6 FT	**PROT. CASING STICKUP (AGS)**	2.5 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	81.32 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	26.69 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.38 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.00	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:15	**BEGIN PURGING**									
9:55	54.60	Bailer	10.85	0.951	8.03	14.71	20.50	-68.00	-	
10:15	54.60	Bailer	10.77	0.948	8.16	13.07	19.20	-47.00	-	Clear
10:25	54.60	Bailer	10.66	0.948	8.17	11.87	18.80	12.00	-	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

11	**0.95**	**8.2**	**11.9**	**18.8**	**12**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2" Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 4.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 4/21/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Clifton Park, NY 12065

GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-FNCH-MW-4E
SAMPLE TIME	14:10

LOCATION ID	MW-4E
DATE	4/21/2022
START TIME	13:10
END TIME	14:10
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	53.62 FT	**FINAL DTW (BMP)**	53.62 FT	**PROT. CASING STICKUP (AGS)**	2 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	157.91 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	104.29 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	17.10 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	17 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:10	**BEGIN PURGING**									
13:35	53.62	Bailer	13.86	0.683	7.87	12.36	48.60	-4.00	N/A	
13:45	53.62	Bailer	12.47	0.693	7.74	12.33	30.80	63.00	N/A	
14:05	53.62	Bailer	12.35	0.695	7.50	6.26	17.90	118.00	N/A	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	12	**0.70**	**7.5**	**6.3**	**17.9**	**120**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2" Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER Horiba U-52
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 17

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Bailer used (2" HDPE)

Sampler Signature: Print Name: Rich DePolo

Checked By: Aubrey Burns Date: 4/21/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-FNCH-MW-B
SAMPLE TIME	9:10

LOCATION ID	MW-B
DATE	4/22/2022
START TIME	8:30
END TIME	9:10
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING		X	
LOCKED		X	
COLLAR		X	

INITIAL DTW (BMP)	12.89 FT	**FINAL DTW (BMP)**	13.72 FT	**PROT. CASING STICKUP (AGS)**	2 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	26.95 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	14.06 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.14 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.31 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.08 GAL	**DRAWDOWN/ TOTAL PURGED**	0.07	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
8:30	**BEGIN PURGING**									
8:40	13.22	200	8.94	0.962	8.08	16.00	779.00	136.00	N/A	Clear
8:45	13.56	200	8.50	0.862	8.03	13.47	337.00	126.00	N/A	Clear
8:50	13.70	200	8.19	0.846	8.02	13.24	147.00	132.00	N/A	Clear
8:55	14.16	200	8.36	0.829	8.00	13.07	105.00	106.00	N/A	Clear
9:00	13.57	200	8.38	0.838	8.01	12.86	91.80	132.00	N/A	Clear
9:05	13.70	200	8.22	0.853	8.00	12.74	93.50	150.00	N/A	Clear
9:10	13.22	200	8.21	0.845	8.00	12.69	85.90	158.00	N/A	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

8	**0.85**	**8.0**	**12.7**	**85.9**	**160**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER _____
- [X] PID _____
- [X] WQ METER Horiba U-52
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 2.08

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Only one volume purged due to excessive drawdown

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 4/22/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

3 Corporate Drive, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-CBGY-MW-3
SAMPLE TIME	1430

LOCATION ID	MW-3
DATE	6/20/2022
START TIME	1330
END TIME	1430
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	118.52 FT	**FINAL DTW (BMP)**	122.11 FT	**PROT. CASING STICKUP (AGS)**	1 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	142 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	23.48 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	5.3 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	34.66 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	7.8 GAL	**DRAWDOWN/ TOTAL PURGED**	0.68	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1330	119.10	600	14.8	782.3	7.52	NA	161.98	-139.1	137	
1335	119.34	600	12.0	752.1	7.63	20.90	230.73	NA	137	
1340	119.94	600	11.9	751.0	7.65	4.60	192.83	NA	137	
1345	120.55	600	12.4	751.9	7.63	3.90	174.93	-138.2	137	
1350	120.91	600	12.6	752.0	7.62	3.50	170.62	-169.4	137	
1355	121.29	600	12.5	751.9	7.61	0.33	162.93	-190.0	137	
1400	121.57	600	12.5	752.0	7.63	0.31	145.09	-200.0	137	
1405	121.78	600	12.7	751.9	7.62	0.30	137.28	-207.3	137	
1410	121.93	600	12.7	751.9	7.62	0.29	132.60	-210.7	137	
1415	122.08	600	12.7	751.8	7.61	0.28	122.93	-214.9	137	
1420	122.11	600	12.7	751.8	7.61	0.27	114.31	-218.1	137	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

13	**752**	**7.6**	**0.3**	**114**	**-220**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER Geosub 2
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

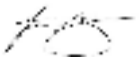
	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 7.8

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

Sampler Signature: 

Print Name: Justin King

Checked By: Aubrey Burns

Date: 6/20/2022

SKETCH/NOTES

PUMP SET 113

Intake at 137-138

Collect DUP-01, MW-3 MS/MSD at 1430

DUP-01 at 1600

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-CBGY-MW-7
SAMPLE TIME	1205

LOCATION ID	MW-7
DATE	6/21/2022
START TIME	1120
END TIME	1200
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	113.95 FT	**FINAL DTW (BMP)**	115.53 FT	**PROT. CASING STICKUP (AGS)**	1 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	194 FT	**SCREEN LENGTH**	OPEN HOLE 165-194 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	80.05 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	2.33 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	118.15 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.2 GAL	**DRAWDOWN/ TOTAL PURGED**	0.45	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1120	114.75	500	11.2	746.0	7.84	0.87	7.84	-62.2	~180-185	
1125	114.88	500	11.1	799.0	7.67	0.64	8.84	-116.6	~180-185	
1130	115.11	500	11.2	807.0	7.66	0.47	21.45	-164.0	~180-185	
1135	115.26	500	11.4	810.0	7.66	0.40	13.35	-180.5	~180-185	
1140	115.42	500	11.2	809.0	7.67	0.36	36.35	-185.6	~180-185	
1145	115.52	500	11.3	809.0	7.67	0.34	71.77	-190.3	~180-185	
1150	115.53	500	11.3	810.0	7.67	0.32	74.63	-191.4	~180-185	
1155	115.54	500	11.4	811.0	7.67	0.32	14.36	-191.4	~180-185	
1200	115.53	500	11.4	809.0	7.67	0.31	33.34	-192.2	~180-185	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

11	**809**	**7.7**	**0.3**	**33.3**	**-192**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER Geosub 2
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

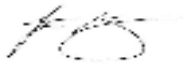
NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 5.2

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Bedrock well, open hole 165-194 ft.

Sampler Signature: 

Print Name: Justin King

Checked By: Aubrey Burns

Date: 6/21/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-CBGY-MW-5
SAMPLE TIME	935

LOCATION ID	MW-5
DATE	6/21/2022
START TIME	845
END TIME	930
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	114.05 FT	**FINAL DTW (BMP)**	116.42 FT	**PROT. CASING STICKUP (AGS)**	1 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	150 FT	**SCREEN LENGTH**	5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	35.95 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	3.50 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	53.06 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.97 GAL	**DRAWDOWN/ TOTAL PURGED**	0.59	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
845	114.64	600	11.1	353.3	8.43	0.96	40.23	114.0	~148	
850	114.91	500	11.3	358.6	8.40	0.54	45.51	-103.4	~148	
855	115.14	500	11.1	358.1	8.39	0.49	48.18	-137.4	~148	
900	115.41	500	11.4	353.8	8.38	0.41	57.85	-169.1	~148	
905	115.63	500	11.6	349.2	8.37	0.36	62.40	-188.3	~148	
910	115.85	500	11.6	344.7	8.35	0.34	62.13	-200.9	~148	
915	116.04	500	11.5	338.7	8.36	0.32	59.73	-212.6	~148	
920	116.21	500	11.6	337.0	8.36	0.31	57.57	-220.3	~148	
925	116.34	500	11.7	335.0	8.36	0.29	56.26	-222.5	~148	
930	116.42	500	11.7	333.6	8.35	0.29	54.06	-226.2	~148	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

12	**334**	**8.4**	**0.3**	**54.1**	**-230**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER Geosub 2
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

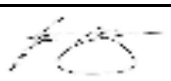
PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 5.97

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Justin King

Checked By: Aubrey Burns

Date: 6/21/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF	**LOCATION ID**	MW-9
PROJECT NUMBER	453208.0000.0000	**START TIME**	905
SAMPLE ID	QNSB-CBGY-MW-9	**SAMPLE TIME**	955
DATE	6/22/2022	**END TIME**	950
SITE NAME/NUMBER	557005	**PAGE**	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	130.83 FT	**FINAL DTW (BMP)**	132.29 FT	**PROT. CASING STICKUP (AGS)**	1 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	170 FT	**SCREEN LENGTH**	5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	40.83 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	2.15 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	60.27 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.98 GAL	**DRAWDOWN/ TOTAL PURGED**	0.54	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
905	131.60	500	11.4	702.0	8.16	1.99	27.99	114.3	160	
910	131.87	500	11.7	705.0	8.13	1.39	36.53	-132.5	160	adjust flow down
915	131.98	300	12.1	705.0	8.10	1.37	34.90	-154.2	160	
920	132.08	300	12.1	706.0	8.10	1.15	35.08	-68.0	160	
925	132.18	300	12.1	706.0	8.11	0.94	34.87	-177.1	160	
930	132.23	300	12.0	706.0	8.11	0.78	34.54	-183.7	160	
935	132.25	300	12.0	708.0	8.11	0.69	36.25	-185.3	160	
940	132.29	300	12.2	712.0	8.09	0.58	34.33	-200.1	160	
945	132.29	300	12.0	715.0	8.10	0.50	33.93	-203.5	160	
950	132.29	300	12.0	721.0	8.07	0.49	36.06	-210.4	160	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**12**	**721**	**8.1**	**0.5**	**36.1**	**-210**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER Geosub 2
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

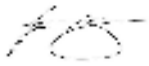
PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.98

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Justin King

Checked By: Aubrey Burns

Date: 6/22/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-MW-3
SAMPLE TIME	1125

LOCATION ID	MW-3
DATE	6/23/2022
START TIME	1040
END TIME	1120
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	154.66 FT	**FINAL DTW (BMP)**	154.71 FT	**PROT. CASING STICKUP (AGS)**	23 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	168.15 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	13.49 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.01 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.2 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.16 GAL	**DRAWDOWN/ TOTAL PURGED**	0.00	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1040	154.71	400	17.5	1460.0	6.72	3.94	12.85	173.0	~163	
1045	154.71	400	18.2	1470.0	6.71	3.07	12.10	112.2	~163	
1050	154.71	400	18.4	1476.0	6.71	2.61	9.35	78.9	~163	
1055	154.71	400	18.7	1478.0	6.72	2.24	6.28	61.7	~163	
1100	154.71	400	19.0	1480.0	6.72	2.03	6.17	50.5	~163	
1105	154.71	400	19.2	1483.0	6.73	1.57	5.90	38.7	~163	
1110	154.71	400	19.2	1485.0	6.73	1.42	6.20	33.4	~163	
1115	154.71	400	19.3	1487.0	6.73	1.15	6.85	27.1	~163	
1120	154.71	400	19.3	1490.0	6.73	1.05	7.45	22.4	~163	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

19	**1490**	**6.7**	**1.1**	**7.5**	**22**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free 300'
- [ ] PID
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER Geosub 2
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

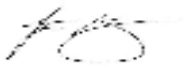
NUMBER OF GALLONS GENERATED: 4.16

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Waterra check valve and tubing removed from well prior to sampling

Well screen 160-180'

Sampler Signature: 

Print Name: Justin King

Checked By: Aubrey Burns

Date: 6/23/2022

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF	**LOCATION ID**	MW-1
PROJECT NUMBER	453208.0000.0000	**DATE**	6/22/2022
SAMPLE ID	QNSB-CBGY-MW-1	**START TIME**	850
SAMPLE TIME	945	**END TIME**	945
		SITE NAME/NUMBER	557005
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	135.38 FT	**FINAL DTW (BMP)**	135.89 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	240 FT	**SCREEN LENGTH**	OPEN HOLE 180-240 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	104.62 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.75 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	154.41 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.2 GAL	**DRAWDOWN/ TOTAL PURGED**	0.14	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
850	**BEGIN PURGING**									
855	135.87	400	12.2	1.050	7.34	2.72	124.45	-169.0	200	
900	135.89	400	12.7	1.058	7.32	1.30	147.39	-169.0	200	
905	135.89	400	12.9	1.061	7.31	1.27	137.32	-173.0	200	
910	135.89	400	12.8	1.076	7.30	0.78	142.57	-177.0	200	
915	135.89	400	12.8	1.085	7.29	0.57	143.74	-176.0	200	
920	135.89	400	12.9	1.090	7.28	0.48	134.66	-176.0	200	
925	135.89	400	12.8	1.099	7.28	0.22	124.24	-181.0	200	
930	135.89	400	12.9	1.101	7.27	0.15	132.60	-183.0	200	
935	135.89	400	12.9	1.106	7.26	0.13	130.74	-179.0	200	
940	135.89	400	12.9	1.104	7.25	0.12	133.26	-180.0	200	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

13	**1.10**	**7.3**	**0.1**	**133**	**-180**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER Geosub 2 2600
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 5.2

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Open hole from 180-240'

Sampler Signature: **Kevin Murphy** Print Name: Kevin Murphy

Checked By: Aubrey Burns Date: 6/22/2022

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-CBGY-MW-2
SAMPLE TIME	1330

LOCATION ID	MW-2
DATE	6/20/2022
START TIME	1255
END TIME	1330
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	150.91 FT	**FINAL DTW (BMP)**	151.12 FT	**PROT. CASING STICKUP (AGS)**	1 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	240 FT	**SCREEN LENGTH**	OPEN HOLE 192-240 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	89.09 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.31 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	131.5 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.12 GAL	**DRAWDOWN/ TOTAL PURGED**	0.10	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1255	**BEGIN PURGING**									
1300	151.12	400	14.5	0.487	7.92	0.42	38.12	-307.0	192	green/grey tint
1305	151.12	400	14.9	0.486	7.89	0.21	39.56	-299.0	192	green/grey tint
1310	151.12	400	15	0.485	7.88	0.14	41.00	-301.0	192	green/grey tint
1315	151.12	400	14.8	0.484	7.88	0.08	43.79	-302.0	192	green/grey tint
1320	151.12	400	15	0.484	7.88	0.07	43.18	-304.0	192	green/grey tint
1325	151.12	400	15.1	0.483	7.89	0.07	42.12	-307.0	192	green/grey tint

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

15	**0.483**	**7.9**	**0.1**	**42.1**	**-307**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER
- [X] PUMP Geosub 2 2600
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.12

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

could no get pump past ~192' which is approx depth of transition to open hole

Sampler Signature: **Kevin Murphy** Print Name: Kevin Murphy

Checked By: Aubrey Burns Date: 6/20/2022

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-CBGY-MW-2B
SAMPLE TIME	1055

LOCATION ID	MW-2B
DATE	6/20/2022
START TIME	1015
END TIME	1055
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	150.62 FT	**FINAL DTW (BMP)**	150.77 FT	**PROT. CASING STICKUP (AGS)**	1 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	175.91 FT	**SCREEN LENGTH**	unknown FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	25.29 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.22 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	37.33 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.99 GAL	**DRAWDOWN/ TOTAL PURGED**	0.07	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1015	**BEGIN PURGING**									
1025	150.77	400	15.4	1.539	6.82	0.41	16.27	-81.0	165	clear, no odor
1030	150.77	300	15.9	1.530	6.79	0.21	13.18	-76.7	165	clear, no odor
1035	150.77	300	16.2	1.521	6.78	0.16	11.57	-74.6	165	clear, no odor
1040	150.77	300	16.4	1.511	6.76	0.11	9.86	-71.1	165	clear, no odor
1045	150.77	300	16.5	1.504	6.75	0.10	9.13	-69.9	165	clear, no odor
1050	150.77	300	16.5	1.503	6.74	0.10	8.44	-67.3	165	clear, no odor

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

17	**1.50**	**6.7**	**0.1**	**8.4**	**-67**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER
- [X] PUMP Geosub 2 2600
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.99

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: **Kevin Murphy** Print Name: Kevin Murphy

Checked By: Aubrey Burns Date: 6/20/2022

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-CBGY-MW-4
SAMPLE TIME	1210

LOCATION ID	MW-4
DATE	6/21/2022
START TIME	1120
END TIME	1210
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	117.83 FT	**FINAL DTW (BMP)**	118.36 FT	**PROT. CASING STICKUP (AGS)**	1 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	153 FT	**SCREEN LENGTH**	2 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	35.17 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.78 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	51.9 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.51 GAL	**DRAWDOWN/ TOTAL PURGED**	0.22	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1120	**BEGIN PURGING**									
1125	118.36	300	12	0.734	8.09	1.04	65.24	-245.0	152	green tint
1130	118.36	300	12.3	0.733	8.05	0.41	57.29	-247.0	152	green tint
1135	118.36	300	12.4	0.734	8.03	0.38	56.23	-242.0	152	green tint
1140	118.36	300	12.4	0.736	8.00	0.32	50.24	-232.0	152	green tint
1145	118.36	300	12.4	0.742	7.95	0.28	46.01	-219.0	152	green tint
1150	118.36	300	12.5	0.747	7.92	0.24	44.23	-213.0	152	green tint
1155	118.36	300	12.4	0.751	7.90	0.21	41.77	-209.0	152	green tint
1200	118.36	300	12.5	0.753	7.89	0.20	40.20	-209.0	152	green tint
1205	118.36	300	12.5	0.755	7.88	0.19	42.65	-206.0	152	green tint

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

13	**0.76**	**7.9**	**0.2**	**42.7**	**-206**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER
- [X] PUMP Geosub 2 7427 KM
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.51

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: **Kevin Murphy** Print Name: Kevin Murphy

Checked By: Date: 6/21/2022

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF CBLF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-CBGY-MW-6
SAMPLE TIME	905

LOCATION ID	MW-6
DATE	6/21/2022
START TIME	825
END TIME	905
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	113.4 FT	**FINAL DTW (BMP)**	113.97 FT	**PROT. CASING STICKUP (AGS)**	1 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	120 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	13.05 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.84 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	19.26 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.73 GAL	**DRAWDOWN/ TOTAL PURGED**	0.31	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
825	**BEGIN PURGING**									
830	113.95	300	11.0	1.158	6.89	5.74	8.78	62.0	118	clear, no odor
835	113.97	300	11.1	1.160	6.86	5.34	8.02	66.0	118	clear, no odor
840	113.97	300	11.3	1.159	6.86	5.12	6.73	68.0	118	clear, no odor
845	113.97	300	11.7	1.162	6.85	4.90	5.74	71.0	118	clear, no odor
850	113.97	300	11.9	1.164	6.85	4.67	4.92	74.0	118	clear, no odor
855	113.97	300	11.5	1.165	6.85	4.45	4.50	76.0	118	clear, no odor
900	113.97	300	11.7	1.165	6.85	4.31	4.06	78.0	118	clear, no odor

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

12	**1.17**	**6.9**	**4.3**	**4.1**	**78**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free
- [X] PID MiniRAE 300C
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER
- [X] PUMP Geosub 2 2600
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.73

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: **Kevin Murphy** Print Name: Kevin Murphy

Checked By: Aubrey Burns Date: 6/21/2022

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME	Queensbury LF
PROJECT NUMBER	453208.0000.0000
SAMPLE ID	QNSB-MW-3
SAMPLE TIME	1125

LOCATION ID	MW-9
DATE	6/22/2022
START TIME	905
END TIME	950
SITE NAME/NUMBER	557005
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	154.66 FT	**FINAL DTW (BMP)**	154.71 FT	**PROT. CASING STICKUP (AGS)**	23 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	168.15 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	13.49 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.008 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.2 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1040	154.71	400	17.5	1460.0	6.72	3.94	12.85	173.0	~163	
1045	154.71	400	18.2	1470.0	6.71	3.07	12.10	112.2	~163	
1050	154.71	400	18.4	1476.0	6.71	2.61	9.35	78.9	~163	
1055	154.71	400	18.7	1478.0	6.72	2.24	6.28	61.7	~163	
1100	154.71	400	19.0	1480.0	6.72	2.03	6.17	50.5	~163	
1105	154.71	400	19.2	1483.0	6.73	1.57	5.90	38.7	~163	
1110	154.71	400	19.2	1485.0	6.73	1.42	6.20	33.4	~163	
1115	154.71	400	19.3	1487.0	6.73	1.15	6.85	27.1	~163	
1120	154.71	400	19.3	1490.0	6.73	1.05	7.45	22.4	~163	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

19	**1490**	**6.7**	**1.1**	**7.5**	**22**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Geotech PFAS Free 300'
- [ ] PID
- [X] WQ METER YSI PRODSS
- [ ] TURB. METER Geosub 2
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	SEE COC							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[ ]

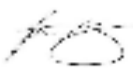
NUMBER OF GALLONS GENERATED: 3

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Waterra check valve and tubing removed from well prior to sampling

well screen 160-180'

Sampler Signature: 

Print Name: Justin King

Checked By:

Date: 6/23/2022

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

APPENDIX B

OFF-SITE SOIL BORING AND MONITORING WELL CONSTRUCTION LOGS

BORING/WELL NUMBER: **BMW-101**

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	230'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	8"
Project Number:	453202	Date Started:	10/20/23
Client:	NYSDEC	Date Completed:	11/5/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1660261.92355
		East:	726314.35240
		Vertical Datum:	NAVD88
		Ground Elevation:	422.03
		Well Elevation (Top of Casing)	424.81

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	Overburden: 6-Inch Core Barrel / Bedrock: 3-3/8-Inch PQ Core

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	10/20/2023		12/8/2023
DEPTH (ft.bgs.)	115		103.72
REFERENCE	Ground Surface	Ground Surface	2.78 ft above grade
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
5	UD-1		7.0	4.0			0 '- 7 ' (SW) Tan, fine to medium SAND, some rounded cobble, loose, dry.	Ground Surface
10	UD-2		10.0	10.0			7 '- 17 ' (SW) Tan, fine to medium SAND, some cobble, loose, dry.	(0-207') 5-Inch ID Carbon Steel Casing
20	UD-3		10.0	9.5			17 '- 27 ' (SW) Tan, fine to medium SAND, some gravel, some cobble, dry.	
30	UD-4		10.0	9.5			27 '- 33 ' (SW) Tan, fine to coarse SAND, some gravel, some cobble, dry.	(0-207') Portland Cement/Bentonite Slurry
35							33 '- 37 ' Tan, pulverized BOULDER, dry.	
40	UD-5		10.0	9.5			37 '- 47 ' (SW) Tan, fine to coarse SAND, some gravel, some cobble, dry.	
45							47 '- 48.5 ' (SW) Tan, fine to coarse SAND, some gravel, some cobble, dry.	
50							48.5 '- 49.5 ' (SW) Tan, fine to coarse SAND, some gravel, dry.	

Notes: Collected soil samples QNSB-BMW-101 (114-115) and QNSB-BMW-101 (194-195) from 114-115 and 194-195 feet bgs, respectively.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
\\CLIFTONPARK-VFP\CLIFTONPARK\IECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-21 QUEENSBURY LANDFILL\FIELD DOCUMENTS\BORING LOGS\GINT LOGS\QUEENSBURYLOGS.GPJ

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	230'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	8"
Project Number:	453202	Date Started:	10/20/23
Client:	NYSDEC	Date Completed:	11/5/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1660261.92355
		East:	726314.35240
		Vertical Datum:	NAVD88
		Ground Elevation:	422.03
		Well Elevation (Top of Casing)	424.81

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55	UD-6		9.0	8.0			49.5 '- 56 ' Tan, BOULDER and cobble, little fine sand, dry.	(0-207') 5-Inch ID Carbon Steel Casing
							56 '- 59 ' Tan, BOULDER and cobble, little fine sand, dry.	
60	UD-7		6.0	4.0			59 '- 62 ' (SW) Tan, fine to coarse SAND, some gravel, dry.	
							62 '- 69 ' (SW) Tan, fine to coarse SAND, some gravel, some cobble, dry.	
65	UD-8		10.0	7.0				
70							69 '- 72 ' (SW) Tan, fine to coarse SAND, some gravel, some cobble, trace silt, dry.	
							72 '- 76 ' (SW) Tan, fine to coarse SAND, trace fine gravel, dry.	
75	UD-9		10.0	10.0				
80							76 '- 82 ' (SW) Tan, fine to medium SAND, dry.	
							82 '- 84 ' (SW) Tan, fine to medium SAND, some gravel, dry.	
85							84 '- 90 ' (SW) Tan, fine to medium SAND, trace gravel, dry.	
	UD-10		8.0	8.0				
90								(0-207') Portland Cement/Bentonite Slurry
	UD-11		2.0	2.0			90 '- 91 ' (SW) Tan, fine to medium SAND, some fine to coarse gravel, some cobble, dry.	
							91 '- 92 ' (SW) Tan, fine to medium SAND, dry.	
95	UD-12		8.0	8.0			92 '- 98 ' (SW) Tan, fine to medium SAND, trace gravel, dry.	
100							98 '- 100 ' (SW) Tan, fine to medium SAND, some angular gravel, dry.	
							100 '- 101.5 ' (SW) Tan, fine to coarse SAND, trace fine cobble, dry.	
	UD-13		7.0	7.0			101.5 '- 103.5 ' (SW) Tan, fine to coarse SAND, trace silt, dry.	
105							103.5 '- 107 ' (SW) Tan, fine to coarse SAND, dry.	
							107 '- 115 ' (SW) Tan, fine to coarse SAND, moist.	
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
\\CLIFTONPARK-VFP\CLIFTONPARK\IECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-21 QUEENSBURY LANDFILL\FIELD DOCUMENTS\BORING LOGS\GINT LOGS\QUEENSBURYLOGS.GPJ

PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**230'**	Hole Diameter:	**8"**
Date Started:	**10/20/23**	Date Completed:	**11/5/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1660261.92355**	East:	**726314.35240**
Vertical Datum:	**NAVD88**	Ground Elevation:	**422.03**
Well Elevation (Top of Casing)	**424.81**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
115	UD-14 GB		10.0	10.0			107 '- 115 ' (SW) Tan, fine to coarse SAND, moist. 115 '- 117 ' (SW) Tan, fine to coarse SAND, wet.	
120	UD-15		10.0	10.0			117 '- 125 ' (SW) Tan, fine to coarse SAND, wet.	
125							125 '- 127 ' (SW) Tan, fine to coarse SAND, trace fine gravel, wet.	
130							127 '- 135.5 ' (SW) Tan, fine to coarse SAND, moist.	(0-207') 5-Inch ID Carbon Steel Casing
135	UD-16		20.0	20.0			135.5 '- 138 ' (SP) Tan, fine SAND, dense, wet.	
140							138 '- 143 ' (SW) Tan, fine to coarse SAND, moist.	
145							143 '- 147 ' (SW) Tan, fine to coarse SAND, some gravel, moist.	
150							147 '- 151 ' (SW) Tan, fine to coarse SAND, some gravel, moist.	(0-207') Portland Cement/Bentonite Slurry
155							151 '- 156.5 ' (SW) Brown, fine to medium SAND, wet.	
160	UD-17		20.0	20.0			156.5 '- 165.5 ' (SW) Grey, fine to medium SAND, wet.	
165							165.5 '- 167 ' (SP) Grey, fine SAND, trace silt, trace cobble, dense, wet.	
170							167 '- 168.5 ' (SP) Grey, fine SAND, trace silt, trace cobble, dense, wet.	

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
\\CLIFTONPARK-VFP\CLIFTONPARK\IECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-21 QUEENSBURY LANDFILL\FIELD DOCUMENTS\BORING LOGS\GINT LOGS\QUEENSBURYLOGS.GPJ

PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**230'**	Hole Diameter:	**8"**
Date Started:	**10/20/23**	Date Completed:	**11/5/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1660261.92355**	East:	**726314.35240**
Vertical Datum:	**NAVD88**	Ground Elevation:	**422.03**
Well Elevation (Top of Casing)	**424.81**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
175	UD-18		20.0	20.0			168.5 '- 172.5 ' (SM) Dark grey, fine to coarse SAND and fine to coarse gravel, some silt, wet. 172.5 '- 187 ' Dark grey, TILL, some fine sand, some gravel, some cobble, dry.	(0-207') 5-Inch ID Carbon Steel Casing
180								
185								
190	UD-19		8.0	8.0			187 '- 195 ' Dark grey, TILL, some fine sand, some gravel, some cobble, wet.	
195	GB						195 '- 196 ' (GW) Dark grey, GRAVEL and cobble, some boulder, wet.	(0-207') Portland Cement/Bentonite Slurry
200	UD-20		12.0	8.5			196 '- 207 ' Dark grey, highly fractured BEDROCK [mudstone with quartz veining].	
205								
210	RC-1		10.0	4.4			207 '- 217 ' BEDROCK [Light grey mudstone] (RQD 43.7) 207-207.5' Potential fracture, white quartz. 208-209' Trace white quartz veins. 210-211' Lenses of weathering, same light grey color. 212' Potential fracture with white quartz exposure. 215' Prominent white quartz fracture, perpendicular to core plane, wet, approximately 5-6" long. 215.5-216' Weathered mudstone.	
215								
220	RC-2		3.5	2.5			217 '- 220.5 ' BEDROCK [light grey mudstone] (RQD 10.67) 218-220' 1/4" quartz vein present along surface, moist.	(207-230') 4-7/8-Inch OD Open Borehole
225	RC-3		9.5	6.9			220.5 '- 230 ' BEDROCK [light grey mudstone] (RQD 72.4) 221.5-223' Heavy weathering throughout, incompetent bedrock. 224-224.5' Lenses of weathering, moist. 225-225.5' Mudstone softens to almost muddy texture, weathering evident. 226-226.5' Potential water-bearing fracture, approximately 5-6" long.	
230							Bottom of borehole at 230.0 feet.	

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
\\CLIFTONPARK-VFPCLIFTONPARK\EC\R\PROJECTS\NY\SDEC\D009812\WORK ASSIGNMENTS\D009812-21 QUEENSBURY LANDFILL\FIELD DOCUMENTS\BORING LOGS\GINT LOGS\QUEENSBURYLOGS.GPJ

BORING/WELL NUMBER: **BMW-102**
Page 1 of 3

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	**Queensbury Landfill (Site No. 557005)**	Boring Depth:	**138'**
Project Location:	**Ridge Road, Queensbury, NY**	Hole Diameter:	**8"**
Project Number:	**453202**	Date Started:	**10/24/23**
Client:	**NYSDEC**	Date Completed:	**11/5/23**
Logged By:	**Kelsey Baker**	Coordinate System:	**New York State Plane, East Zone - NAD83**
Checked By:	**Justin King**	North:	**1658938.67104**
		East:	**724894.75002**
		Vertical Datum:	**NAVD88**
		Ground Elevation:	**356.64**
		Well Elevation (Top of Casing)	**359.65**

DRILLING INFORMATION	
Drilling Contractor:	**Cascade Drilling, L.P.**
Driller(s):	**Matt Osterberg**
Drilling Method:	**Sonic**
Equipment/Model:	**P5600T**
Sampler:	**Overburden: 6-Inch Core Barrel / Bedrock: 3-3/8-Inch PQ Core**

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	**10/24/2023**		**12/8/2023**
DEPTH (ft.bgs.)	**17**		**44.31**
REFERENCE	**Ground Surface**	**Ground Surface**	**3.01 ft above grade**
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
							0 '- 1.5 ' (ML) Brown, SILT and fine to medium sand, dry.	Ground Surface
5	UD-1		7.0	7.0			1.5 '- 7 ' (SW) Brown, fine to medium SAND, loose, dry.	
10	UD-2		10.0	9.0			7 '- 17 ' (SP) Brown, medium SAND, dry.	(0-87') 5-Inch ID Carbon Steel Casing
15								
20	UD-3		20.0	20.0			17 '- 28 ' (SW) Brown, fine to medium SAND, wet.	
25								
30							28 '- 35 ' (CL) Grey, CLAY, some sand, wet.	(0-87') Portland Cement/Bentonite Grout
35							35 '- 37 ' (SW) Grey, fine to medium SAND, wet.	
40							37 '- 40 ' (CL) Grey, CLAY, some sand, wet.	
45	UD-4		20.0	20.0			40 '- 51 ' (CL) Grey, CLAY, wet, stiff.	▼
50								

Notes: Collected soil samples QNSB-BMW-102 (59-60) and QNSB-BMW-102 (76-77) from 59-60 and 76-77 feet bgs, respectively.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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PROJECT INFORMATION		BORING/WELL INFORMATION			
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	138'	Hole Diameter:	8"
Project Location:	Ridge Road, Queensbury, NY	Date Started:	10/24/23	Date Completed:	11/5/23
Project Number:	453202	Coordinate System:	New York State Plane, East Zone - NAD83		
Client:	NYSDEC	North:	1658938.67104	East:	724894.75002
Logged By:	Kelsey Baker	Vertical Datum:	NAVD88	Ground Elevation:	356.64
Checked By:	Justin King	Well Elevation (Top of Casing)	359.65		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55							51 '- 57 ' (SW) Brown, fine to medium SAND, loose, wet.	
60	GB						57 '- 60 ' (SW) Tan, fine to medium SAND, wet, running.	
							60 '- 67 ' (SC) Grey, fine SAND and clay, wet.	(0-87') 5-Inch ID Carbon Steel Casing
65								
70	UD-5		20.0	20.0			67 '- 72 ' (GW) Grey, GRAVEL and sand, some till, wet.	
							72 '- 76 ' (SC) Grey, fine SAND and clay, wet.	
75	GB						76 '- 77 ' (GW) Grey, GRAVEL and sand, some till, wet.	(0-87') Portland Cement/Bentonite Grout
							77 '- 87 ' BEDROCK [mudstone to shale].	
80	UD-6		10.0	10.0				
85								
90	RC-1		10.0	8.4			87 '- 97 ' BEDROCK [grey mudstone] (RQD 69.7) 87-92' Fairly competent, breaks every 4-6". Bedrock is dry, no apparent fractures. 92-93' Minor weathering, trace white quartz veining. 95-97' Heavy weathering evident, prominent fracture with 1/8" quartz vein from 95-95.5'. Moist. Potential water bearing fracture at 95'.	(87-137') 4-7/8-Inch OD Open Borehole
95								
100	RC-2		11.0	8.9			97 '- 108 ' BEDROCK [grey mudstone] (RQD - 80.7) 97-105' Fairly competent, occasional breaks due to weathering, minor quartz veining present throughout. 106-108' Large prominent fracture indicated by vertical quarts vein, moisture present. Potential water bearing fracture at 106-108'.	
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**138'**	Hole Diameter:	**8"**
Date Started:	**10/24/23**	Date Completed:	**11/5/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1658938.67104**	East:	**724894.75002**
Vertical Datum:	**NAVD88**	Ground Elevation:	**356.64**
Well Elevation (Top of Casing)	**359.65**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
115	RC-3		10.0	7.1			108 '- 118 ' BEDROCK [grey mudstone] (RQD - 68.8) 108-109.5' Heavy weathering, incompetent bedrock. 113-118' Heavy weathering, incompetent bedrock. No fractures identified.	(87-137') 4-7/8-Inch OD Open Borehole
120	RC-4		10.0	9.5			118 '- 128 ' BEDROCK [grey mudstone] (RQD - 95.2) 118-128' Primarily competent bedrock with surface quartz veining present, few small instances of weathering.	
130	RC-5		10.0	8.9			128 '- 138 ' BEDROCK [grey mudstone and dolostone] (RQD - 88.7) 128-133' Weathering present throughout. Quartz veining from 130.5-133' with minor elongated potential fracture, wet. Potential water bearing fracture at 130.5-133'. 133-138' Heavy weathering and breaks throughout. Quartz veining present throughout in minor surficial exposures, wet.	
140							Bottom of borehole at 138.0 feet.	

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-101**

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	97'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	6"
Project Number:	453202	Date Started:	11/13/23
Client:	NYSDEC	Date Completed:	11/14/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1660861.95084
		East:	726472.21786
		Vertical Datum:	NAVD88
		Ground Elevation:	390.66
		Well Elevation (Top of Casing)	393.28

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	4-Inch ID Core Barrel

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	11/13/2023		12/7/2023
DEPTH (ft.bgs.)	67		70.34
REFERENCE	Ground Surface	Ground Surface	2.62 ft above grade
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
5	UD-1		7.0	0.0			0 '- 7 ' No Recovery.	Ground Surface
10							7 '- 9 ' (SW) Brown, fine to medium SAND, some gravel, dry.	
							9 '- 10 ' (SP) Grey, fine SAND, some cobble, dry.	
15	UD-2		10.0	6.0		◆	10 '- 17 ' (SW) Brown, medium to coarse SAND, some subrounded cobble, dry.	(0-62') Portland Cement / Bentonite Slurry
20							17 '- 27 ' (SW) Brown, fine to medium SAND, some gravel, some cobble, dry.	
25	UD-3		10.0	7.5		◆		
30							27 '- 34 ' (SW) Brown, fine to medium SAND, some gravel, some cobble, dry.	(0-68') 2" Diameter Schedule 40 PVC
35	UD-4		10.0	10.0		◆	34 '- 37 ' (SW) Brown, fine to medium SAND, trace gravel, dry.	
40							37 '- 41 ' (SW) Brown, fine to medium SAND, trace gravel, dry.	
45	UD-5		10.0	10.0		◆	41 '- 47 ' (SW) Brown, fine to medium SAND, some subangular gravel, some cobble, dry.	
50							47 '- 57 ' (SW) Brown, fine to medium SAND, some subangular gravel, some cobble, dry.	

Notes: Collected soil sample QNSB-MW-101 from 85-86 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-101**
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PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**97'**	Hole Diameter:	**6"**
Date Started:	**11/13/23**	Date Completed:	**11/14/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1660861.95084**	East:	**726472.21786**
Vertical Datum:	**NAVD88**	Ground Elevation:	**390.66**
Well Elevation (Top of Casing)	**393.28**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55	UD-6		10.0	10.0		◆	47 '- 57 ' (SW) Brown, fine to medium SAND, some subangular gravel, some cobble, dry.	
60	UD-7		10.0	10.0		◆	57 '- 63 ' (SW) Brown, fine to coarse SAND and subrounded gravel, dry.	
65						◆	63 '- 66 ' (SW) Brown, fine to coarse SAND, some gravel, trace cobble, dry.	(62-65') Bentonite Chips
70							66 '- 67 ' (SW) Brown, fine to coarse SAND, some subrounded gravel, some cobble, moist.	
							67 '- 68 ' (SP) Brown, coarse SAND, wet, running.	(65-83') #1 Sand
75	UD-8		20.0	11.0		◆	68 '- 87 ' (SW) Brown, fine to coarse SAND, some subrounded gravel, trace cobble, moist to wet.	(68-83') 2" Diameter 0.01 Slot Schedule 40 PVC
80						◆		
85	GB							
90							87 '- 97 ' (SP) Brown, coarse SAND, wet, running.	
95	UD-9		10.0	10.0		◆		(83-97') Backfill (Natural Collapse)
100							Bottom of borehole at 97.0 feet.	
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-102**

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	137'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	6"
Project Number:	453202	Date Started:	11/6/23
Client:	NYSDEC	Date Completed:	11/6/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1660270.56689
		East:	726317.74972
		Vertical Datum:	NAVD88
		Ground Elevation:	421.80
		Well Elevation (Top of Casing)	424.57

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	4-Inch ID Core Barrel

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	11/6/2023		12/7/2023
DEPTH (ft.bgs.)	107		97.28
REFERENCE	Ground Surface	Ground Surface	2.77 ft above grade
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
							0 '- 1 ' (SM) Brown, fine SAND, some silt, some rounded gravel, dry.	Ground Surface
5	UD-1		7.0	5.5			1 '- 7 ' (SW) Brown, fine to medium SAND and subrounded gravel, dry.	
10	UD-2		10.0	7.0			7 '- 17 ' (SW) Brown, fine to medium SAND and subrounded gravel, dry.	(0-109') Portland Cement / Bentonite Slurry
15								
20	UD-3		10.0	7.5			17 '- 19 ' (SP) Brown, fine SAND, some coarse semi-rounded gravel, dry.	
25							19 '- 25 ' (SW) Brown, fine to medium SAND and subrounded gravel, dry.	
							25 '- 27 ' (GP) Brown, coarse rounded GRAVEL, some fine to medium sand, trace cobble (4-6" diameter), dry.	
30	UD-4		10.0	7.5			27 '- 30 ' (SP) Brown, fine SAND, some coarse subrounded gravel, dry.	(0-115') 2" Diameter Schedule 40 PVC
35							30 '- 37 ' Brown, subrounded COBBLE (4-6" diameter), some fine sand, dry.	
40	UD-5		10.0	7.5			37 '- 42 ' Brown, subrounded COBBLE (4-6" diameter), some fine sand, dry.	
45							42 '- 47 ' (SW) Brown, fine to medium SAND, some subangular gravel, dry.	
50	UD-6		5.0	5.0			47 '- 52 ' (SW) Brown, fine to medium SAND and coarse subrounded gravel, some cobble (3-5" diameter), dry.	

Notes: Collected soil sample QNSB-MW-102 (115-116) from 115-116 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	**Queensbury Landfill (Site No. 557005)**	Boring Depth:	**137'**
Project Location:	**Ridge Road, Queensbury, NY**	Hole Diameter:	**6"**
Project Number:	**453202**	Date Started:	**11/6/23**
Client:	**NYSDEC**	Date Completed:	**11/6/23**
Logged By:	**Kelsey Baker**	Coordinate System:	**New York State Plane, East Zone - NAD83**
Checked By:	**Justin King**	North:	**1660270.56689**
		East:	**726317.74972**
		Vertical Datum:	**NAVD88**
		Ground Elevation:	**421.80**
		Well Elevation (Top of Casing)	**424.57**

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55	UD-7		5.0	4.5			52 '- 57 ' (SW) Brown, fine to medium SAND and coarse subrounded gravel, some cobble (3-5" diameter), dry.	
60	UD-8		10.0	10.0			57 '- 67 ' (SW) Brown to grey, fine to medium SAND, some coarse subrounded gravel, some cobble (3-5" diameter), dry.	(0-109') Portland Cement / Bentonite Slurry
65								
70	UD-9		10.0	8.3			67 '- 72 ' (SW) Brown to grey, fine to medium SAND, some coarse subrounded gravel, some cobble (3-5" diameter), dry.	
75							72 '- 77 ' (SW) Brown, fine to medium SAND, some fine subrounded gravel, dry.	
80	UD-10		10.0	9.5			77 '- 83 ' (SW) Brown, fine to medium SAND, some fine subrounded gravel, loose, dry.	(0-115') 2" Diameter Schedule 40 PVC
85							83 '- 87 ' (SW) Brown, fine to medium SAND, loose, dry.	
90	UD-11		10.0	9.0			87 '- 97 ' (SW) Brown, fine to medium SAND, loose, dry.	
95								
100	UD-12		10.0	10.0			97 '- 100 ' (SW) Brown, fine to medium SAND, some coarse subrounded gravel, dry.	
105							100 '- 107 ' (SW) Brown, fine to medium SAND, loose, dry.	
110							107 '- 117 ' (SW) Brown, fine to medium SAND, loose, moist to wet.	(109-112') Bentonite Chips

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-102**

PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**137'**	Hole Diameter:	**6"**
Date Started:	**11/6/23**	Date Completed:	**11/6/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1660270.56689**	East:	**726317.74972**
Vertical Datum:	**NAVD88**	Ground Elevation:	**421.80**
Well Elevation (Top of Casing)	**424.57**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
115	UD-13 GB		10.0	9.5			107 '- 117 ' (SW) Brown, fine to medium SAND, loose, moist to wet.	(109-112') Bentonite Chips
120							117 '- 118 ' (SP) Brown, fine SAND, wet, running. 118 '- 127 ' (SW) Grey, medium to coarse SAND, loose, wet.	(112-130') #1 Sand
125								(115-130') 2" Diameter 0.01 Slot Schedule 40 PVC
130	UD-14		20.0	20.0			127 '- 137 ' (SW) Grey, fine to medium SAND, moist to wet.	
135								(130-137') Backfill (Natural Collapse)
140							Bottom of borehole at 137.0 feet.	
145								
150								
155								
160								
165								
170								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-103**
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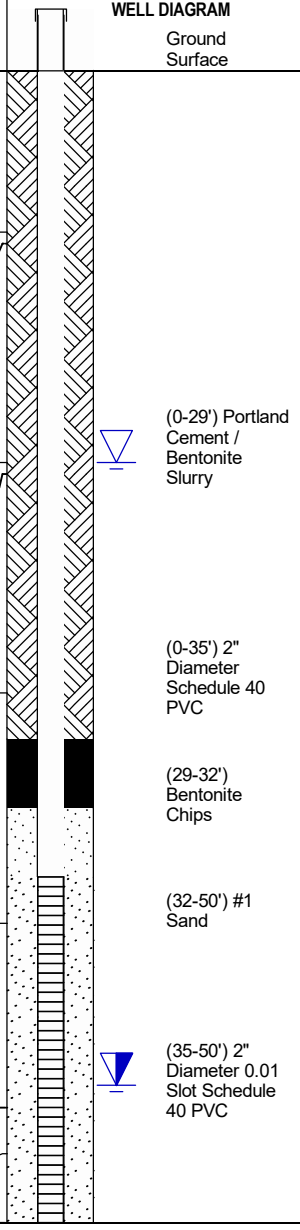
PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	**Queensbury Landfill (Site No. 557005)**	Boring Depth:	**67'**
Project Location:	**Ridge Road, Queensbury, NY**	Hole Diameter:	**6"**
Project Number:	**453202**	Date Started:	**11/6/23**
Client:	**NYSDEC**	Date Completed:	**11/6/23**
Logged By:	**Kelsey Baker**	Coordinate System:	**New York State Plane, East Zone - NAD83**
Checked By:	**Justin King**	North:	**1660196.88296**
		East:	**727508.28687**
		Vertical Datum:	**NAVD88**
		Ground Elevation:	**361.32**
		Well Elevation (Top of Casing)	**364.00**

DRILLING INFORMATION	
Drilling Contractor:	**Cascade Drilling, L.P.**
Driller(s):	**Matt Osterberg**
Drilling Method:	**Sonic**
Equipment/Model:	**P5600T**
Sampler:	**4-Inch ID Core Barrel**

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	**11/6/2023**		**12/7/2023**
DEPTH (ft.bgs.)	**17**		**44.03**
REFERENCE	**Ground Surface**	**Ground Surface**	**2.68 ft above grade**
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION
5	UD-1		7.0	4.0			0 '- 7 ' (SW) Brown, fine to medium SAND, some coarse subrounded gravel, some cobble (3-5" diameter), very loose, dry.
10	UD-2		10.0	5.5			7 '- 7.5 ' (SP) Brown, coarse SAND and coarse gravel, dry. 7.5 '- 17 ' (SW) Brown, fine to medium SAND, some coarse subrounded gravel, some cobble (3-5" diameter), very loose, dry. Limited recovery due to cobbles stuck in core barrel.
15							
20	UD-3		10.0	1.5			17 '- 17.5 ' (SP) Brown, coarse SAND, some coarse rounded gravel, moist to wet. 17.5 '- 27 ' (SW) Brown, fine to medium SAND, some coarse subrounded gravel, some cobble (3-5" diameter), very loose, moist. Limited recovery due to cobbles stuck in core barrel.
25							
30	UD-4 GB		10.0	0.2			27 '- 37 ' (SP) Brown, coarse SAND, wet. Limited recovery due to cobbles stuck in core barrel.
35							
40	UD-5		10.0	5.5			37 '- 45 ' (SP) Brown, medium SAND, some coarse subrounded gravel, loose, moist.
45							45 '- 47 ' (SP) Brown, coarse SAND, some coarse subrounded gravel, loose, moist.
50							47 '- 50 ' (SP) Brown, medium SAND, loose, wet, running.

MONITORING WELL DIAGRAM



Notes: Collected soil samples QNSB-MW-103 (33-34') and DUP-02 from 33-34 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-103**
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PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	**Queensbury Landfill (Site No. 557005)**	Boring Depth:	**67'**
Project Location:	**Ridge Road, Queensbury, NY**	Hole Diameter:	**6"**
Project Number:	**453202**	Date Started:	**11/6/23**
Client:	**NYSDEC**	Date Completed:	**11/6/23**
Logged By:	**Kelsey Baker**	Coordinate System:	**New York State Plane, East Zone - NAD83**
Checked By:	**Justin King**	North:	**1660196.88296**
		East:	**727508.28687**
		Vertical Datum:	**NAVD88**
		Ground Elevation:	**361.32**
		Well Elevation (Top of Casing)	**364.00**

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55	UD-6		20.0	16.0		◆	50 '- 67 ' (SP) Brown, medium SAND, trace gravel, loose, moist to wet, running.	(50-67') Backfill (Natural Collapse)
60						◆		
65						◆		
							Bottom of borehole at 67.0 feet.	
70								
75								
80								
85								
90								
95								
100								
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-104**
Page 1 of 2

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	87'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	6"
Project Number:	453202	Date Started:	10/18/23
Client:	NYSDEC	Date Completed:	10/18/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1659834.14449
		East:	725718.97634
		Vertical Datum:	NAVD88
		Ground Elevation:	363.10
		Well Elevation (Top of Casing)	362.75

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	4-Inch ID Core Barrel

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	10/18/2023		12/5/2023
DEPTH (ft.bgs.)	17		44.42
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
5	UD-1		7.0	5.0			0 '- 7 ' (SW) Tan, fine to medium SAND, trace silt, dry.	
10							7 '- 10 ' (SW) Tan, fine to medium SAND, trace silt, moist.	
15	UD-2		10.0	9.5			10 '- 17 ' (SW) Tan, fine to medium SAND, dry.	(0-54') Portland Cement / Bentonite Slurry
20							17 '- 27 ' (SW) Tan, fine to medium SAND, loose, dry to moist.	
25	UD-3		10.0	10.0				
30							27 '- 37 ' (SW) Tan, fine to medium SAND, dry to moist.	(0-60') 2" Diameter Schedule 40 PVC
35	UD-4		10.0	9.0				
40							37 '- 47 ' (SW) Tan, fine to medium SAND, dry to moist.	
45	UD-5		10.0	9.0				
50							47 '- 57 ' (SP) Brown, coarse SAND, very loose, wet.	

Notes: Collected soil samples QNSB-MW-104 (64-66) and DUP-01 from 64-66 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-104**

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	**Queensbury Landfill (Site No. 557005)**	Boring Depth:	**87'**
Project Location:	**Ridge Road, Queensbury, NY**	Hole Diameter:	**6"**
Project Number:	**453202**	Date Started:	**10/18/23**
Client:	**NYSDEC**	Date Completed:	**10/18/23**
Logged By:	**Kelsey Baker**	Coordinate System:	**New York State Plane, East Zone - NAD83**
Checked By:	**Justin King**	North:	**1659834.14449**
		East:	**725718.97634**
		Vertical Datum:	**NAVD88**
		Ground Elevation:	**363.10**
		Well Elevation (Top of Casing)	**362.75**

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55	UD-6		20.0	20.0			47 '- 57 ' (SP) Brown, coarse SAND, very loose, wet.	(54-57') Bentonite Chips
60							57 '- 67 ' (SP) Dark brown to grey, medium SAND, moist.	(57-75') #1 Sand
65	GB							
70							67 '- 87 ' (SW) Grey, fine to medium SAND, wet.	(60-75') 2" Diameter 0.01 Slot Schedule 40 PVC
75	UD-7		20.0	20.0				
80								(75-87') Backfill (Natural Collapse)
85								
90							Bottom of borehole at 87.0 feet.	
95								
100								
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-105**
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PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	97'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	6"
Project Number:	453202	Date Started:	11/1/23
Client:	NYSDEC	Date Completed:	11/2/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1659597.51700
		East:	726296.68836
		Vertical Datum:	NAVD88
		Ground Elevation:	356.87
		Well Elevation (Top of Casing)	356.43

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	4-Inch ID Core Barrel

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	11/1/2023		12/5/2023
DEPTH (ft.bgs.)	47		39.42
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
5	UD-1		7.0	7.0			0 '- 6 ' (SC) Brown, fine SAND and clay, moist.	
							6 '- 7 ' (SW) Brown, fine to medium SAND, moist.	
10	UD-2		10.0	7.0			7 '- 17 ' (SW) Brown, fine to medium SAND, trace rounded cobble, loose, dry.	
15								(0-69') Portland Cement / Bentonite Slurry
20	UD-3		10.0	10.0			17 '- 22 ' (SW) Brown, fine to medium SAND, trace rounded cobble, loose, dry.	
25							22 '- 27 ' (SW) Brown, fine to medium SAND, some coarse subrounded gravel, dry.	
30	UD-4		10.0	8.0			27 '- 37 ' (SW) Brown, fine to medium SAND, some coarse subrounded gravel, dry. Fractured rock observed at 35' bgs.	(0-75') 2" Diameter Schedule 40 PVC
35								
40	UD-5		10.0	9.0			37 '- 47 ' (SW) Brown, fine to medium SAND, some coarse subrounded gravel, dry.	▼
45								▽
50							47 '- 52 ' (SW) Brown, fine to medium SAND, trace subrounded cobble, moist to wet.	

Notes: Collected soil sample QNSB-MW-105 (57-58) from 57-58 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**97'**	Hole Diameter:	**6"**
Date Started:	**11/1/23**	Date Completed:	**11/2/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1659597.51700**	East:	**726296.68836**
Vertical Datum:	**NAVD88**	Ground Elevation:	**356.87**
Well Elevation (Top of Casing)	**356.43**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55	UD-6		10.0	8.0			52 '- 57 ' (SW) Brown, medium to coarse SAND, trace subrounded cobble, moist to wet.	
60	GB						57 '- 63 ' (SP) Brown, fine SAND, trace rounded cobble, wet, running.	
65							63 '- 77 ' (SW) Brown, fine to medium SAND, medium dense, wet.	
70	UD-7		20.0	20.0				(69-72') Bentonite Chips
75								(72-90') #1 Sand
80							77 '- 82 ' (SW) Grey, fine to coarse SAND, wet.	
85							82 '- 92 ' (SW) Grey, fine to coarse SAND, wet, running.	(75-90') 2" Diameter 0.01 Slot Schedule 40 PVC
90	UD-8		20.0	20.0				
95							92 '- 97 ' (SW) Grey, fine to medium SAND, medium dense, moist.	(90-97') Backfill (Natural Collapse)
100							Bottom of borehole at 97.0 feet.	
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-106**

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	97'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	6"
Project Number:	453202	Date Started:	10/31/23
Client:	NYSDEC	Date Completed:	11/1/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1659694.86337
		East:	726673.78406
		Vertical Datum:	NAVD88
		Ground Elevation:	364.61
		Well Elevation (Top of Casing)	367.51

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	4-Inch ID Core Barrel

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	10/31/2023		12/6/2023
DEPTH (ft.bgs.)	57		49.31
REFERENCE	Ground Surface	Ground Surface	2.9 ft above grade
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
5	UD-1		7.0	6.0			0 '- 5 ' (SW) Brown, fine to medium SAND, loose, dry.	Ground Surface
							5 '- 6 ' (SW) Brown, fine to medium SAND, trace clay, loose, moist.	
							6 '- 7 ' (SW) Brown, fine to medium SAND, loose, dry.	
10							7 '- 10.5 ' (SW) Grey, medium to coarse SAND, loose, dry.	
	UD-2		10.0	5.5			10.5 '- 17 ' (SW) Grey, medium to coarse SAND, some coarse rounded gravel, loose, dry.	
15								(0-74') Portland Cement / Bentonite Slurry
20	UD-3		10.0	9.0			17 '- 23 ' (SW) Brown, fine to medium SAND, dry.	
25							23 '- 27 ' (SW) Grey, medium to coarse SAND, some coarse rounded gravel, loose, dry.	
30	UD-4		10.0	10.0			27 '- 33 ' (SM) Grey, fine SAND and silt, some rounded gravel, loose, dry.	(0-80') 2" Diameter Schedule 40 PVC
35							33 '- 37 ' (SM) Grey, medium SAND and silt, trace rounded gravel, loose, dry.	
40	UD-5		10.0	9.0			37 '- 39.5 ' (SW) Brown, fine to medium SAND, trace clay, dry.	
							39.5 '- 41 ' (SW) Brown, fine to medium SAND, trace gravel, dry.	
45							41 '- 47 ' (SP) Brown to grey, fine SAND and subangular to subrounded gravel, trace cobble (3-4" diameter), loose, dry.	
50							47 '- 52 ' (SW) Brown, fine to medium SAND, some coarse subangular gravel, loose, dry.	

Notes: Collected soil sample QNSB-MW-106 (76-77') from 76-77 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-106**
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PROJECT INFORMATION

Project Name:	Queensbury Landfill (Site No. 557005)
Project Location:	Ridge Road, Queensbury, NY
Project Number:	453202
Client:	NYSDEC
Logged By:	Kelsey Baker
Checked By:	Justin King

BORING/WELL INFORMATION

Boring Depth:	97'	Hole Diameter:	6"
Date Started:	10/31/23	Date Completed:	11/1/23
Coordinate System:	New York State Plane, East Zone - NAD83		
North:	1659694.86337	East:	726673.78406
Vertical Datum:	NAVD88	Ground Elevation:	364.61
Well Elevation (Top of Casing)	367.51		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55	UD-6		10.0	10.0			52 '- 57 ' (SP) Brown, medium SAND, some coarse subangular gravel, loose, moist.	
60							57 '- 77 ' (SW) Brown, medium to coarse SAND, some rounded gravel, wet.	
65								
70	UD-7		20.0	20.0				
75	GB							(74-77') Bentonite Chips
80							77 '- 87 ' (SW) Brown, medium to coarse SAND, trace rounded gravel, wet.	(77-95') #1 Sand
85								
90	UD-8		20.0	20.0			87 '- 97 ' (SW) Brown, fine to medium SAND, wet.	(80-95') 2" Diameter 0.01 Slot Schedule 40 PVC
95								(95-97') Backfill (Natural Collapse)
100							Bottom of borehole at 97.0 feet.	
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-107**
Page 1 of 2

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	**Queensbury Landfill (Site No. 557005)**	Boring Depth:	**97'**
Project Location:	**Ridge Road, Queensbury, NY**	Hole Diameter:	**6"**
Project Number:	**453202**	Date Started:	**10/30/23**
Client:	**NYSDEC**	Date Completed:	**10/30/23**
Logged By:	**Kelsey Baker**	Coordinate System:	**New York State Plane, East Zone - NAD83**
Checked By:	**Justin King**	North:	**1659420.05708**
		East:	**727574.03618**
		Vertical Datum:	**NAVD88**
		Ground Elevation:	**340.03**
		Well Elevation (Top of Casing)	**339.50**

DRILLING INFORMATION	
Drilling Contractor:	**Cascade Drilling, L.P.**
Driller(s):	**Matt Osterberg**
Drilling Method:	**Sonic**
Equipment/Model:	**P5600T**
Sampler:	**4-Inch ID Core Barrel**

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE			**12/6/2023**
DEPTH (ft.bgs.)			**31.6**
REFERENCE	**Ground Surface**	**Ground Surface**	**Ground Surface**
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
5	UD-1		7.0	7.0			0 '- 4 ' (SW) Brown, fine to medium SAND, loose, dry. 4 '- 7 ' (SC) Brown, fine to medium SAND, some clay, loose, dry.	(0-59') Portland Cement / Bentonite Slurry
10	UD-2		10.0	10.0			7 '- 9 ' (SW) Brown, fine to medium SAND, loose, dry. 9 '- 12 ' (SC) Brown, fine to medium SAND, some clay, loose, dry. 12 '- 17 ' (SW) Brown, fine to medium SAND, loose, dry.	
20	UD-3		20.0	9.0			17 '- 37 ' (SW) Brown, fine to medium SAND, loose, dry. Limited recovery due to cobbles stuck in core barrel at 27'.	(0-65') 2" Diameter Schedule 40 PVC
40	UD-4		20.0	20.0			37 '- 47 ' (SW) Brown, medium to coarse SAND, loose, dry to moist. 47 '- 57 ' (SW) Brown, fine to medium SAND, loose, dry to moist.	

Notes: Collected soil sample QNSB-MW-107 (62-65') from 62-65 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**97'**	Hole Diameter:	**6"**
Date Started:	**10/30/23**	Date Completed:	**10/30/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1659420.05708**	East:	**727574.03618**
Vertical Datum:	**NAVD88**	Ground Elevation:	**340.03**
Well Elevation (Top of Casing)	**339.50**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55							47 '- 57 ' (SW) Brown, fine to medium SAND, loose, dry to moist.	
60							57 '- 63 ' (SW) Brown, medium to coarse SAND, moist, running.	(59-62') Bentonite Chips
65	GB						63 '- 71 ' (SW) Brown, medium to coarse SAND, loose, dry to moist.	
70	UD-5		20.0	20.0				(62-80') #1 Sand
75							71 '- 77 ' (SW) Grey, medium to coarse SAND, loose, dry to moist.	(65-80') 2" Diameter 0.01 Slot Schedule 40 PVC
80							77 '- 82 ' (SW) Grey, medium to coarse SAND, loose, dry to moist, running.	
85							82 '- 97 ' (SW) Grey, medium to coarse SAND, loose, dry to moist.	
90	UD-6		20.0	20.0				(80-97') Backfill (Natural Collapse)
95								
100							Bottom of borehole at 97.0 feet.	
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-108**
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PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	97'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	6"
Project Number:	453202	Date Started:	10/19/23
Client:	NYSDEC	Date Completed:	10/19/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1659077.10028
		East:	726495.99386
		Vertical Datum:	NAVD88
		Ground Elevation:	337.24
		Well Elevation (Top of Casing)	336.63

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	4-Inch ID Core Barrel

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	10/19/2023		12/6/2023
DEPTH (ft.bgs.)	12		22.56
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
5	UD-1		7.0	6.0			0 '- 1 ' (TOPSOIL) Brown, SILT, some sand, dry. 1 '- 7 ' (SW) Brown, fine to medium SAND, trace silt, dry to moist.	
10	UD-2		10.0	10.0			7 '- 17 ' (SW) Brown, fine to medium SAND, medium dense, moist to wet.	
15								
20							17 '- 23 ' (SW) Brown, fine to medium SAND, wet.	(0-69') Portland Cement / Bentonite Slurry
25	UD-3		20.0	20.0			23 '- 37 ' (CL) Grey, CLAY and fine sand, moist to wet.	
30								(0-75') 2" Diameter Schedule 40 PVC
35								
40							37 '- 52 ' (CL) Grey, CLAY and fine sand, moist to wet.	
45	UD-4		20.0	20.0				
50								

Notes: Collected soil sample QNSB-MW-108 (75-76') from 75-76 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-108**
Page 2 of 2

PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**97'**	Hole Diameter:	**6"**
Date Started:	**10/19/23**	Date Completed:	**10/19/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1659077.10028**	East:	**726495.99386**
Vertical Datum:	**NAVD88**	Ground Elevation:	**337.24**
Well Elevation (Top of Casing)	**336.63**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55							37 '- 52 ' (CL) Grey, CLAY and fine sand, moist to wet.	
							52 '- 57 ' (SW) Brown, fine to medium SAND, moist.	
60							57 '- 77 ' (SW) Brown, fine to medium SAND, moist.	
65								
	UD-5		20.0	20.0				
70								(69-72') Bentonite Chips
75	GB							
							77 '- 78 ' (SW) Brown, fine to medium SAND, wet.	(72-97') #1 Sand
80							78 '- 87 ' (SW) Brown, fine to medium SAND, moist.	
85								(75-90') 2" Diameter 0.01 Slot Schedule 40 PVC
	UD-6		20.0	20.0				
90							87 '- 90 ' (CL) Grey, CLAY, trace coarse sand, trace coarse gravel, moist.	
							90 '- 97 ' Grey, TILL, some angular cobble, dry.	
95								
100							Bottom of borehole at 97.0 feet.	
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
\\CLIFTONPARK-VFPCLIFTONPARK\IECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-21 QUEENSBURY LANDFILL\FIELD DOCUMENTS\BORING LOGS\GINT LOGS\QUEENSBURYLOGS.GPJ

BORING/WELL NUMBER: **MW-109**
Page 1 of 2

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	97'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	6"
Project Number:	453202	Date Started:	10/24/23
Client:	NYSDEC	Date Completed:	10/25/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1658805.39656
		East:	727071.48181
		Vertical Datum:	NAVD88
		Ground Elevation:	331.51
		Well Elevation (Top of Casing)	331.13

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	4-Inch ID Core Barrel

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	10/24/2023		12/6/2023
DEPTH (ft.bgs.)	17		21.32
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
0							0 '- 1.5 ' (TOPSOIL) Brown, SILT, some gravel, trace organics.	
5	UD-1		7.0	5.5			1.5 '- 7 ' (SW) Brown, fine to medium SAND, dry.	
10	UD-2		10.0	8.0			7 '- 10 ' (SW) Brown, medium to coarse SAND, loose, moist.	
							10 '- 12 ' (CH) Grey, CLAY, trace fine sand, moist.	
15							12 '- 15 ' (SP) Grey, fine SAND, medium dense, moist.	
							15 '- 17 ' (SP) Grey, fine SAND, trace clay, medium dense, moist.	(0-64') Portland Cement / Bentonite Slurry
20							17 '- 23 ' (SC) Grey, fine SAND and clay, wet.	
25	UD-3		20.0	15.0			23 '- 25 ' (CH) Grey, CLAY, trace sand, wet.	
							25 '- 37 ' (SC) Grey, fine SAND and clay, wet.	(0-70') 2" Diameter Schedule 40 PVC
40							37 '- 47 ' (CH) Grey, CLAY, wet.	
45	UD-4		20.0	20.0				
50							47 '- 53 ' (SW) Grey, fine to medium SAND, medium dense, moist to wet.	

Notes: Collected soil sample QNSB-MW-109 (77-78) from 77-78 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
\\CLIFTONPARK-VFPCLIFTONPARK\IECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-21 QUEENSBURY LANDFILL\FIELD DOCUMENTS\BORING LOGS\GINT LOGS\QUEENSBURYLOGS.GPJ

BORING/WELL NUMBER: **MW-109**

PROJECT INFORMATION

Project Name:	**Queensbury Landfill (Site No. 557005)**
Project Location:	**Ridge Road, Queensbury, NY**
Project Number:	**453202**
Client:	**NYSDEC**
Logged By:	**Kelsey Baker**
Checked By:	**Justin King**

BORING/WELL INFORMATION

Boring Depth:	**97'**	Hole Diameter:	**6"**
Date Started:	**10/24/23**	Date Completed:	**10/25/23**
Coordinate System:	**New York State Plane, East Zone - NAD83**		
North:	**1658805.39656**	East:	**727071.48181**
Vertical Datum:	**NAVD88**	Ground Elevation:	**331.51**
Well Elevation (Top of Casing)	**331.13**		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55							47 '- 53 ' (SW) Grey, fine to medium SAND, medium dense, moist to wet.	
							53 '- 57 ' (SW) Grey, fine to medium SAND, trace clay, moist.	
							57 '- 58 ' (SP) Grey, medium SAND, wet.	
60							58 '- 63 ' (SW) Grey, fine to medium SAND, trace clay lenses, wet, running.	
65	UD-5		20.0	20.0			63 '- 69 ' (CL) Grey, CLAY and fine sand, wet.	(64-67') Bentonite Chips
70							69 '- 77 ' (SW) Brown, coarse to medium SAND, moist.	(67-85') #1 Sand
75								
80	GB						77 '- 82 ' (SW) Brown, fine to coarse SAND, moist.	(70-85') 2" Diameter 0.01 Slot Schedule 40 PVC
							82 '- 83 ' (SW) Brown, fine to coarse SAND, moist, running.	
85							83 '- 97 ' (SW) Tan, fine to coarse SAND, moist.	
90	UD-6		20.0	20.0				(85-97') Backfill (Natural Collapse)
95								
100							Bottom of borehole at 97.0 feet.	
105								
110								

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-110**

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	Queensbury Landfill (Site No. 557005)	Boring Depth:	110'
Project Location:	Ridge Road, Queensbury, NY	Hole Diameter:	6"
Project Number:	453202	Date Started:	10/17/23
Client:	NYSDEC	Date Completed:	10/17/23
Logged By:	Kelsey Baker	Coordinate System:	New York State Plane, East Zone - NAD83
Checked By:	Justin King	North:	1659053.63553
		East:	725767.02664
		Vertical Datum:	NAVD88
		Ground Elevation:	345.47
		Well Elevation (Top of Casing)	348.33

DRILLING INFORMATION	
Drilling Contractor:	Cascade Drilling, L.P.
Driller(s):	Matt Osterberg
Drilling Method:	Sonic
Equipment/Model:	P5600T
Sampler:	4-Inch ID Core Barrel

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	10/17/2023		12/5/2023
DEPTH (ft.bgs.)	17		30.05
REFERENCE	Ground Surface	Ground Surface	2.86 ft above grade
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	◆VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
5	UD-1		7.0	7.0		◆	0 '- 7 ' (SW) Tan, fine to medium SAND, trace silt, dry.	Ground Surface
10	UD-2		10.0	9.5		◆	7 '- 17 ' (SW) Tan, fine to medium SAND, moist.	(0-78') Portland Cement / Bentonite Slurry
20	UD-3		20.0	15.0		◆	17 '- 36 ' (SC) Brown to grey, fine to medium SAND, some clay, moist to wet.	(0-84') 2" Diameter Schedule 40 PVC
40						◆	36 '- 37 ' (SW) Grey, fine to medium SAND, wet. 37 '- 40 ' (SW) Grey, fine to medium SAND, wet.	
45	UD-4		20.0	20.0		◆	40 '- 50 ' (CL) Brown, CLAY and silt, medium plasticity, wet.	
50								

Notes: Collected soil sample QNSB-MW-110 (77-78) from 77-78 feet bgs.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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BORING/WELL NUMBER: **MW-110**

PROJECT INFORMATION		BORING/WELL INFORMATION	
Project Name:	**Queensbury Landfill (Site No. 557005)**	Boring Depth:	**110'**
Project Location:	**Ridge Road, Queensbury, NY**	Hole Diameter:	**6"**
Project Number:	**453202**	Date Started:	**10/17/23**
Client:	**NYSDEC**	Date Completed:	**10/17/23**
Logged By:	**Kelsey Baker**	Coordinate System:	**New York State Plane, East Zone - NAD83**
Checked By:	**Justin King**	North:	**1659053.63553**
		East:	**725767.02664**
		Vertical Datum:	**NAVD88**
		Ground Elevation:	**345.47**
		Well Elevation (Top of Casing)	**348.33**

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	VOC SCREENING RESULTS (ppm) 5 10 15 20	MATERIAL DESCRIPTION	MONITORING WELL DIAGRAM
55							50 '- 55 ' (SW) Grey, fine to medium SAND, wet.	
							55 '- 57 ' (SW) Tan, fine to medium SAND, trace silt, wet.	
60							57 '- 67 ' (SW) Tan, fine to medium SAND, moist to wet.	
65								
	UD-5		20.0	20.0				
70							67 '- 77 ' (SW) Grey, fine to medium SAND, moist to wet.	
75								
	GB						77 '- 83 ' (SW) Grey, fine to medium SAND, moist to wet.	(78-81') Bentonite Chips
80								
85							83 '- 97 ' (SW) Grey, fine to medium SAND, loose, wet.	(81-99') #1 Sand
	UD-6		20.0	19.0				
90								(84-99') 2" Diameter 0.01 Slot Schedule 40 PVC
95								
							97 '- 99 ' (SW) Grey, fine to medium SAND, loose, wet.	
100							99 '- 110 ' Grey, TILL, some clay, some silt, some angular gravel, trace cobble, dry.	
105	UD-7		13.0	13.0				(99-110') Bentonite Chips
110								

Bottom of borehole at 110.0 feet.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 5/22/24
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SOIL BORING LOG

TRC	Project Name: Queensbury Landfill	Boring ID: MW-111S
	Project Location: Ridge Road, Queensbury NY	Page No.
	Project No.: 453202.0000.0000 Client: NYSDEC	1 of: 3
Boring Location: MW-111S	Refusal Depth: N/A Total Depth: 24'	Bore Hole ID/OD: MW-111S
Weather: 75, Sunny	Soil Drilled: NA Method: Geoprobe	Casing Size: NA
Subcontractor: Parratt-Wolff	Protection Level: D	Sampler: K. Baker
Driller: Ian Grassie	Date Started: 06/18/2024 Date Completed 6/18/2024	Sampler ID/OD: NA
Rig Type/Model: Geoprobe 7822DT	Logged By: A. Koros Checked By: A. Burns	Latitude: 43.383561 °N
Approx. Reference Elevation: 359.65 ft	Water Level: NA Time: 8:10	Longitude: 73.624460 ° W

Sample Information				Monitoring						
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Reading (ppm)					Sample Description and Classification	USCS Group Symbol	Remarks
0.0										
0.5										
1.0										
1.5										
2.0		4/4	0.0					0-4' - fine grain sand, moist	SP	
2.5										
3.0										
3.5										
4.0										
4.5								4-5' - SAA	SP	
5.0										
5.5										
6.0										
6.5		4/4	0.0					5-8' - coarse, brown sand, moist	SP	
7.0										
7.5										
8.0										

NOTES:

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SOIL BORING LOG

TRC	Project Name: Queensbury Landfill	Boring ID: MW-111S
	Project Location: Ridge Road, Queensbury NY	Page No.
	Project No.: 453202.0000.0000 Client: NYSDEC	2 of: 3
Boring Location: MW-111S	Refusal Depth: N/A Total Depth: 24'	Bore Hole ID/OD: MW-111S
Weather: 75, Sunny	Soil Drilled: NA Method: Geoprobe	Casing Size: NA
Subcontractor: Parratt-Wolff	Protection Level: D	Sampler: K. Baker
Driller: Ian Grassie	Date Started: 06/18/2024 Date Completed 6/18/2024	Sampler ID/OD: NA
Rig Type/Model: Geoprobe 7822DT	Logged By: A. Koros Checked By: A. Burns	Latitude: 43.383561 °N
Approx. Reference Elevation: 359.65 ft	Water Level: NA Time: 8:20	Longitude: 73.624460 ° W

Sample Information				Monitoring						
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Reading (ppm)					Sample Description and Classification	USCS Group Symbol	Remarks
8.0										
8.5										
9.0										
9.5										
10.0		4/3	0.0					8-12' - SAA, trace pebbles, sub-angular	SP	
10.5										
11.0										
11.5										
12.0										
12.5										
13.0										
13.5										
14.0										
14.5		4/4	0.0					12-16' - SAA	SP	
15.0										
15.5										
16.0										

NOTES:

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SOIL BORING LOG

TRC	Project Name: Queensbury Landfill	Boring ID: MW-111S
	Project Location: Ridge Road, Queensbury NY	Page No.
	Project No.: 453202.0000.0000 Client: NYSDEC	3 of: 3
Boring Location: MW-111S	Refusal Depth: N/A Total Depth: 24'	Bore Hole ID/OD: MW-111S
Weather: 77, Sunny	Soil Drilled: NA Method: Geoprobe	Casing Size: NA
Subcontractor: Parratt-Wolff	Protection Level: D	Sampler: K. Baker
Driller: Ian Grassie	Date Started: 06/18/2024 Date Completed 6/18/2024	Sampler ID/OD: NA
Rig Type/Model: Geoprobe 7822DT	Logged By: A. Koros Checked By: A. Burns	Latitude: 43.383561 °N
Approx. Reference Elevation: 359.65 ft	Water Level: NA Time: 10:10	Longitude: 73.624460 ° W

Sample Information				Monitoring						
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Reading (ppm)					Sample Description and Classification	USCS Group Symbol	Remarks
16.0										
16.5										
17.0										
17.5										
18.0		4/4	0.0					16-20' - SAA, saturated	SP	
18.5										
19.0										
19.5										
20.0										
20.5										
21.0										
21.5										
22.0										
22.5		4/3	0.0					20-24' - SAA	SP	
23.0										
23.5										
24.0										

NOTES:

Stopped soil boring samples at around 9:00 AM because a cable on the Geoprobe got caught. Resumed after the issue was resolved.

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SOIL BORING LOG

TRC	Project Name: Queensbury Landfill	Boring ID: MW-112S
	Project Location: Ridge Road, Queensbury NY	Page No.
	Project No.: 453202.0000.0000 Client: NYSDEC	1 of: 3
Boring Location: MW-112S	Refusal Depth: NA Total Depth: 20'	Bore Hole ID/OD: MW-112S
Weather: 77, Cloudy	Soil Drilled: NA Method: Geoprobe	Casing Size: NA
Subcontractor: Parratt-Wolff	Protection Level: D	Sampler: K. Baker
Driller: Ian Grassie	Date Started: 06/17/2024 Date Completed 6/17/2024	Sampler ID/OD: NA
Rig Type/Model: Geoprobe 7822DT	Logged By: A. Koros Checked By: A. Burns	Latitude: 43.381636 °N
Reference Elevation: NA	Water Level: NA Time: 12:00	Longitude: 73.620975 ° W

Sample Information				Monitoring						
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Reading (ppm)					Sample Description and Classification	USCS Group Symbol	Remarks
0.0										
0.5								0-1' - fine sand, brown, dry	SP	
1.0										
1.5										
2.0		4/3.6	0.0							
2.5								1-4' - fine sand, light brown, dry	SP	
3.0										
3.5										
4.0										
4.5										
5.0										
5.5								4-7' - fine sand, light brown, dry	SP	
6.0										
6.5		4/4	0.0							
7.0										
7.5								7-8' - SAA, wet	SP	
8.0										

NOTES:

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SOIL BORING LOG

TRC	Project Name: Queensbury Landfill	Boring ID: MW-112S
	Project Location: Ridge Road, Queensbury NY	Page No.
	Project No.: 453202.0000.0000 Client: NYSDEC	2 of: 3
Boring Location: MW-112S	Refusal Depth: NA Total Depth: 20'	Bore Hole ID/OD: MW-112S
Weather: 77, Cloudy	Soil Drilled: NA Method: Geoprobe	Casing Size: NA
Subcontractor: Parratt-Wolff	Protection Level: D	Sampler: K. Baker
Driller: Ian Grassie	Date Started: 06/17/2024 Date Completed 6/17/2024	Sampler ID/OD: NA
Rig Type/Model: Geoprobe 7822DT	Logged By: A. Koros Checked By: A. Burns	Latitude: 43.381636 °N
Reference Elevation: NA	Water Level: NA Time: 12:10	Longitude: 73.620975 ° W

Sample Information				Monitoring						
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Reading (ppm)					Sample Description and Classification	USCS Group Symbol	Remarks
8.0										
8.5										
9.0										
9.5										
10.0		4/3.6	0.0					8-12' - SAA	SP	
10.5										
11.0										
11.5										
12.0										
12.5										
13.0								12-14' - SAA	SP	
13.5										
14.0										
14.5		4/4	0.0							
15.0								14-16' - SAA, saturated	SP	
15.5										
16.0										

NOTES:

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SOIL BORING LOG

	Project Name: Queensbury Landfill	Boring ID: MW-112S
	Project Location: Ridge Road, Queensbury NY	Page No.
	Project No.: 453202.0000.0000 Client: NYSDEC	3 of: 3
Boring Location: MW-112S	Refusal Depth: NA Total Depth: 20'	Bore Hole ID/OD: MW-112S
Weather: 77, Cloudy	Soil Drilled: NA Method: Geoprobe	Casing Size: NA
Subcontractor: Parratt-Wolff	Protection Level: D	Sampler: K. Baker
Driller: Ian Grassie	Date Started: 06/17/2024 Date Completed 6/17/2024	Sampler ID/OD: NA
Rig Type/Model: Geoprobe 7822DT	Logged By: A. Koros Checked By: A. Burns	Latitude: 43.381636 °N
Reference Elevation: NA	Water Level: NA Time: 12:10	Longitude: 73.620975 ° W

Sample Information				Monitoring						
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Reading (ppm)					Sample Description and Classification	USCS Group Symbol	Remarks
8.0										
16.5										
17.0										
17.5										
18.0		4/4	0.0					16-20' - SAA	SP	
18.5										
19.0										
19.5										
20.0										
20.5										
21.0										
21.5										
22.0										
22.5										
23.0										
23.5										
24.0										

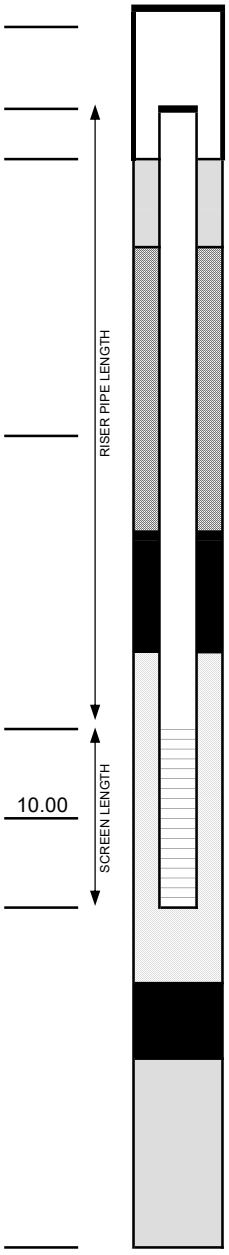
NOTES:

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WELL CONSTRUCTION DIAGRAM (FLUSH-MOUNT)

PROJ. NAME:	NYSDEC Queensbury Landfill (557005)			WELL ID:	**MW-104S**
PROJ. NO:	453202.00	DATE INSTALLED: 6/19/2024	INSTALLED BY: Parratt-Wolff		CHECKED BY: A. Burns

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)



0.0 GROUND SURFACE

0.5 TOP OF CASING

SURFACE SEAL MATERIAL

1.0 CONCRETE

GROUT/BACKFILL MATERIAL

BENTONITE SLURRY

GROUT/BACKFILL METHOD

FILL FROM ABOVE

15.5 GROUT

BENTONITE SEAL MATERIAL

GRANULAR

17.5 BENTONITE SEAL

19.5 TOP OF SCREEN

FILTER PACK MATERIAL

FINE, WASHED SAND

29.5 BOTTOM OF SCREEN

BOTTOM OF FILTER PACK

BENTONITE PLUG

BACKFILL MATERIAL

NA

29.5 HOLE BOTTOM

NOTES:

Material depths are estimated.

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: FLUSH

SCREEN TYPE: PRE-PACKED SCREEN

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 29.5 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 29.5 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: NA

TIME DEVELOPING: - HOURS

WATER REMOVED: - GALLONS

WATER ADDED: - GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: NA

COLOR BEFORE: NA

CLARITY AFTER: NA

COLOR AFTER: NA

ODOR (IF PRESENT): NA

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	-	T/PVC		
DTB AFTER DEVELOPING:	-	T/PVC		
SWL BEFORE DEVELOPING:	-	T/PVC		
SWL AFTER DEVELOPING:	-	T/PVC		
OTHER SWL:	-	T/PVC		
OTHER SWL:	-	T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: _____

WELL CONSTRUCTION DIAGRAM (FLUSH-MOUNT)

PROJ. NAME:	NYSDEC Queensbury Landfill (557005)	WELL ID:	**MW-105S**
PROJ. NO:	453202.00	DATE INSTALLED: 6/20/2024 INSTALLED BY: Parratt-Wolff	CHECKED BY: A. Burns

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)	
	0.0	GROUND SURFACE
	0.5	TOP OF CASING
		SURFACE SEAL MATERIAL
	1.0	CONCRETE
		GROUT/BACKFILL MATERIAL
		BENTONITE SLURRY
		GROUT/BACKFILL METHOD
		FILL FROM ABOVE
	30.5	GROUT
		BENTONITE SEAL MATERIAL
		SLURRY
	32.5	BENTONITE SEAL
	34.5	TOP OF SCREEN
		FILTER PACK MATERIAL
		FINE, WASHED SAND
	44.5	BOTTOM OF SCREEN
		BOTTOM OF FILTER PACK
		BENTONITE PLUG
		BACKFILL MATERIAL
		NA
	44.5	HOLE BOTTOM

RISER PIPE LENGTH

SCREEN LENGTH 10.00

NOTES:

Material depths are estimated.

CASING AND SCREEN DETAILS

TYPE OF RISER: 1-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: FLUSH

SCREEN TYPE: SLOTTED SCREEN

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 2 IN. FROM 0 TO 44.5 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 1 IN. FROM 0 TO 44.5 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: PUMP

TIME DEVELOPING: 2.5 HOURS

WATER REMOVED: 18 GALLONS

WATER ADDED: 1 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Very cloudy/Sediment present

COLOR BEFORE: Brown

CLARITY AFTER: Cloudy

COLOR AFTER: Grey/brown

ODOR (IF PRESENT):

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	44.00	T/PVC	25-Jun	
DTB AFTER DEVELOPING:	44.00	T/PVC	25-Jun	
SWL BEFORE DEVELOPING:	38.20	T/PVC	25-Jun	
SWL AFTER DEVELOPING:	38.00	T/PVC	25-Jun	
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

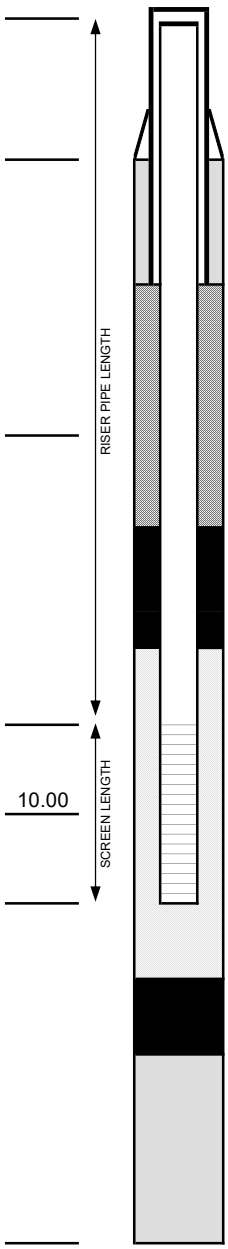
PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: _____

WELL CONSTRUCTION DIAGRAM (ABOVE-GRADE)

PROJ. NAME: NYSDEC Queensbury Landfill (557005)		WELL ID:	**MW-106S**
PROJ. NO: 453202.00	DATE INSTALLED: 6/25/2024 INSTALLED BY: Parratt-Wolff		CHECKED BY: A. Burns

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)



3.0 TOP OF CASING

0.0 GROUND SURFACE

SURFACE SEAL MATERIAL

1.0 CONCRETE

GROUT/BACKFILL MATERIAL

BENTONITE SLURRY

GROUT/BACKFILL METHOD

FILL FROM ABOVE

38.5 GROUT

BENTONITE SEAL MATERIAL

SLURRY

40.5 BENTONITE SEAL

42.5 TOP OF SCREEN

FILTER PACK MATERIAL

FINE, WASHED SAND

52.5 BOTTOM OF SCREEN

BOTTOM OF FILTER PACK

BENTONITE PLUG

BACKFILL MATERIAL

WASHED SAND

54.0 HOLE BOTTOM

NOTES:

Material depths are estimated.

CASING AND SCREEN DETAILS

TYPE OF RISER: 1-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: FLUSH

SCREEN TYPE: SLOTTED SCREEN

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 2 IN. FROM 0 TO 54 FT.
_____ IN. FROM _____ TO _____ FT.

SURF. CASING DIAMETER: 1 IN. FROM 0 TO 54 FT.
_____ IN. FROM _____ TO _____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: PUMP

TIME DEVELOPING: 2 HOURS

WATER REMOVED: 18 GALLONS

WATER ADDED: - GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Turbid

COLOR BEFORE: Brown

CLARITY AFTER: Cloudy

COLOR AFTER: Brown/Grey

ODOR (IF PRESENT): _____

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	56.00	T/PVC	26-Jun	
DTB AFTER DEVELOPING:	56.00	T/PVC	26-Jun	
SWL BEFORE DEVELOPING:	48.30	T/PVC	26-Jun	
SWL AFTER DEVELOPING:		T/PVC		
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

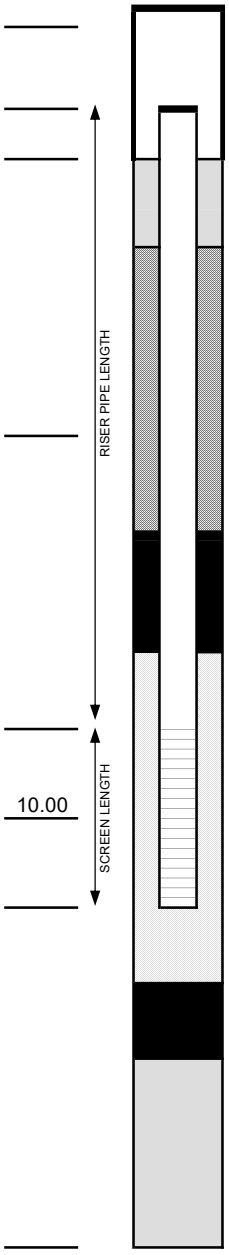
PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: _____

WELL CONSTRUCTION DIAGRAM (FLUSH-MOUNT)

PROJ. NAME:	NYSDEC Queensbury Landfill (557005)	WELL ID:	**MW-108S**
PROJ. NO:	453202.00	DATE INSTALLED: 6/24/2024 INSTALLED BY: Parratt-Wolff	CHECKED BY: A. Burns

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)



0.0 GROUND SURFACE

0.5 TOP OF CASING

SURFACE SEAL MATERIAL

1.0 CONCRETE

GROUT/BACKFILL MATERIAL

BENTONITE SLURRY

GROUT/BACKFILL METHOD

FILL FROM ABOVE

13.5 GROUT

BENTONITE SEAL MATERIAL

GRANULAR

15.5 BENTONITE SEAL

17.5 TOP OF SCREEN

FILTER PACK MATERIAL

FINE, WASHED SAND

27.5 BOTTOM OF SCREEN

BOTTOM OF FILTER PACK

BENTONITE PLUG

BACKFILL MATERIAL

WASHED SAND

28.0 HOLE BOTTOM

NOTES:

Material depths are estimated.

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: FLUSH

SCREEN TYPE: PRE-PACKED SCREEN

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 28 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 28 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: PUMP

TIME DEVELOPING: 1.75 HOURS

WATER REMOVED: 70 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Turbid

COLOR BEFORE: Grey

CLARITY AFTER: Cloudy

COLOR AFTER: White

ODOR (IF PRESENT):

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	27.30	T/PVC	26-Jun	10:08
DTB AFTER DEVELOPING:	27.30	T/PVC	26-Jun	11:46
SWL BEFORE DEVELOPING:	4.70	T/PVC	26-Jun	10:08
SWL AFTER DEVELOPING:	14.70	T/PVC	26-Jun	11:46
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

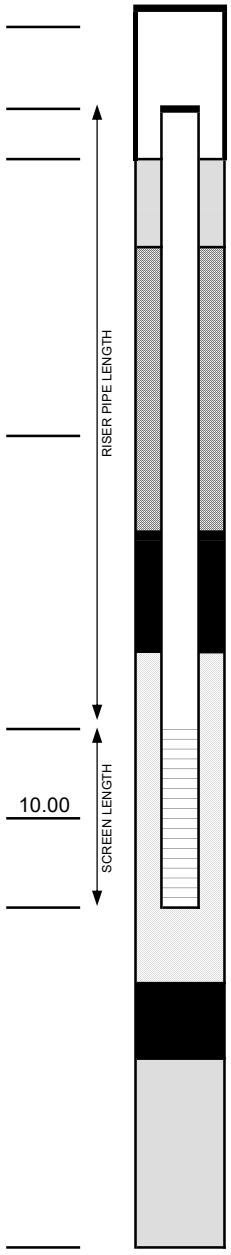
PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: ____

WELL CONSTRUCTION DIAGRAM (FLUSH-MOUNT)

PROJ. NAME:	NYSDEC Queensbury Landfill (557005)	WELL ID:	**MW-109S**
PROJ. NO:	453202.00	DATE INSTALLED: 6/21/2024 INSTALLED BY: Parratt-Wolff	CHECKED BY: A. Burns

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)



0.0 GROUND SURFACE

0.5 TOP OF CASING

SURFACE SEAL MATERIAL

1.0 CONCRETE

GROUT/BACKFILL MATERIAL

BENTONITE SLURRY

GROUT/BACKFILL METHOD

FILL FROM ABOVE

13.0 GROUT

BENTONITE SEAL MATERIAL

GRANULAR

15.0 BENTONITE SEAL

17.0 TOP OF SCREEN

FILTER PACK MATERIAL

FINE, WASHED SAND

27.0 BOTTOM OF SCREEN

BOTTOM OF FILTER PACK

BENTONITE PLUG

BACKFILL MATERIAL

NA

27.0 HOLE BOTTOM

NOTES:

Material depths are estimated.

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: FLUSH

SCREEN TYPE: PRE-PACKED SCREEN

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 27 FT.
__ IN. FROM __ TO __ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 27 FT.
__ IN. FROM __ TO __ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: PUMP

TIME DEVELOPING: 1 HOURS

WATER REMOVED: 50 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Cloudy

COLOR BEFORE: Grey

CLARITY AFTER: Cloudy

COLOR AFTER: Clear

ODOR (IF PRESENT):

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	24.00	T/PVC	25-Jun	16:15
DTB AFTER DEVELOPING:	24.00	T/PVC	25-Jun	17:15
SWL BEFORE DEVELOPING:	5.00	T/PVC	25-Jun	16:15
SWL AFTER DEVELOPING:	7.20	T/PVC	25-Jun	17:15
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

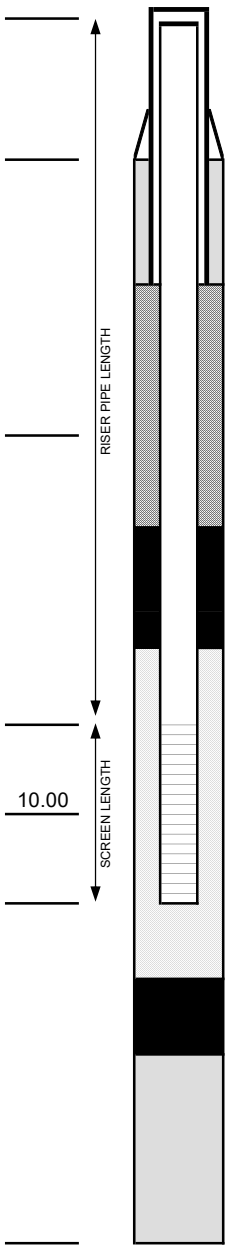
PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER:

WELL CONSTRUCTION DIAGRAM (ABOVE-GRADE)

PROJ. NAME: NYSDEC Queensbury Landfill (557005)		WELL ID:	**MW-110S**
PROJ. NO: 453202.00	DATE INSTALLED: 6/18/2024 INSTALLED BY: Parratt-Wolff		CHECKED BY: A. Burns

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)



2.5 TOP OF CASING

0.0 GROUND SURFACE

SURFACE SEAL MATERIAL

1.0 CONCRETE

GROUT/BACKFILL MATERIAL

BENTONITE SLURRY

GROUT/BACKFILL METHOD

FILL FROM ABOVE

20.0 GROUT

BENTONITE SEAL MATERIAL

GRANULAR

22.0 BENTONITE SEAL

24.0 TOP OF SCREEN

FILTER PACK MATERIAL

FINE, WASHED SAND

34.0 BOTTOM OF SCREEN

____ BOTTOM OF FILTER PACK

____ BENTONITE PLUG

BACKFILL MATERIAL

NA

34.0 HOLE BOTTOM

NOTES:

Material depths are estimated.

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: FLUSH

SCREEN TYPE: PRE-PACKED SCREEN

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 34 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 34 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: PUMP

TIME DEVELOPING: 0.58 HOURS

WATER REMOVED: 40 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Cloudy

COLOR BEFORE: Grey

CLARITY AFTER: Clear

COLOR AFTER:

ODOR (IF PRESENT):

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	36.50	T/PVC	20-Jun	
DTB AFTER DEVELOPING:	36.50	T/PVC	20-Jun	
SWL BEFORE DEVELOPING:	13.67	T/PVC	20-Jun	
SWL AFTER DEVELOPING:	25.80	T/PVC	20-Jun	
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

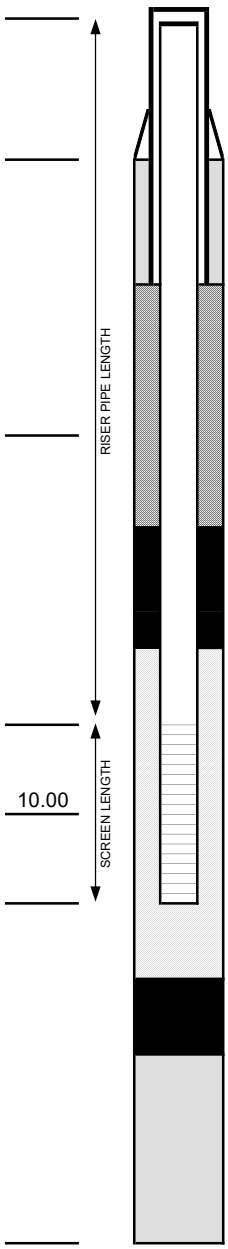
PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER:

WELL CONSTRUCTION DIAGRAM (ABOVE-GRADE)

PROJ. NAME: NYSDEC Queensbury Landfill (557005)		WELL ID:	**MW-111S**
PROJ. NO: 453202.00	DATE INSTALLED: 6/18/2024 INSTALLED BY: Parratt-Wolff		CHECKED BY: A. Burns

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)



3.0 TOP OF CASING

0.0 GROUND SURFACE

SURFACE SEAL MATERIAL

1.0 CONCRETE

GROUT/BACKFILL MATERIAL

BENTONITE SLURRY

GROUT/BACKFILL METHOD

FILL FROM ABOVE

10.0 GROUT

BENTONITE SEAL MATERIAL

GRANULAR

12.0 BENTONITE SEAL

14.0 TOP OF SCREEN

FILTER PACK MATERIAL

FINE, WASHED SAND

24.0 BOTTOM OF SCREEN

____ BOTTOM OF FILTER PACK

____ BENTONITE PLUG

BACKFILL MATERIAL

NA

24.0 HOLE BOTTOM

NOTES:

Material depths are estimated.

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: FLUSH

SCREEN TYPE: PRE-PACKED SCREEN

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 24 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 24 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: PUMP

TIME DEVELOPING: 1 HOURS

WATER REMOVED: 18 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Cloudy

COLOR BEFORE: Brown

CLARITY AFTER: Clear

COLOR AFTER: Brown/grey

ODOR (IF PRESENT):

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	24.00	T/PVC	25-Jun	14:00
DTB AFTER DEVELOPING:	24.00	T/PVC	25-Jun	15:05
SWL BEFORE DEVELOPING:	17.00	T/PVC	25-Jun	14:00
SWL AFTER DEVELOPING:	17.00	T/PVC	25-Jun	15:05
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

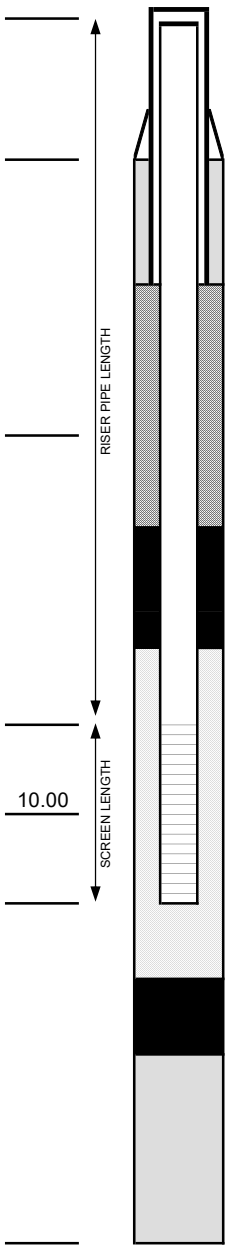
PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: ____

WELL CONSTRUCTION DIAGRAM (ABOVE-GRADE)

PROJ. NAME: NYSDEC Queensbury Landfill (557005)		WELL ID:	**MW-112S**
PROJ. NO: 453202.00	DATE INSTALLED: 6/17/2024 INSTALLED BY: Parratt-Wolff		CHECKED BY: A. Burns

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)



3.0 TOP OF CASING

0.0 GROUND SURFACE

SURFACE SEAL MATERIAL

1.0 CONCRETE

GROUT/BACKFILL MATERIAL

BENTONITE SLURRY

GROUT/BACKFILL METHOD

FILL FROM ABOVE

6.0 GROUT

BENTONITE SEAL MATERIAL

GRANULAR

8.0 BENTONITE SEAL

10.0 TOP OF SCREEN

FILTER PACK MATERIAL

FINE, WASHED SAND

20.0 BOTTOM OF SCREEN

____ BOTTOM OF FILTER PACK

____ BENTONITE PLUG

BACKFILL MATERIAL

NA

20.0 HOLE BOTTOM

NOTES:

Material depths are estimated.

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: FLUSH

SCREEN TYPE: PRE-PACKED SCREEN

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 20 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 20 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: PUMP

TIME DEVELOPING: 0.88 HOURS

WATER REMOVED: 12 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Cloudy

COLOR BEFORE:

CLARITY AFTER: Clear

COLOR AFTER:

ODOR (IF PRESENT):

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	19.08	T/PVC	19-Jun	9:05
DTB AFTER DEVELOPING:	19.08	T/PVC	19-Jun	9:58
SWL BEFORE DEVELOPING:	12.50	T/PVC	19-Jun	9:05
SWL AFTER DEVELOPING:	13.50	T/PVC	19-Jun	9:58
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: ____

APPENDIX C
UTILITY SURVEY REPORTS

Underground Utility Locating Report

(Ridge Road, Queenbury, NY 12804)

Client:

TRC Engineers Inc.- Justin King

Work Date:

Tuesday, October 3, 2023

Technicians:

- Adam Banks (see abbreviated bio. on pg.10)
- Brandon Pyle (see abbreviated bio. on pg.10)

Equipment Used:

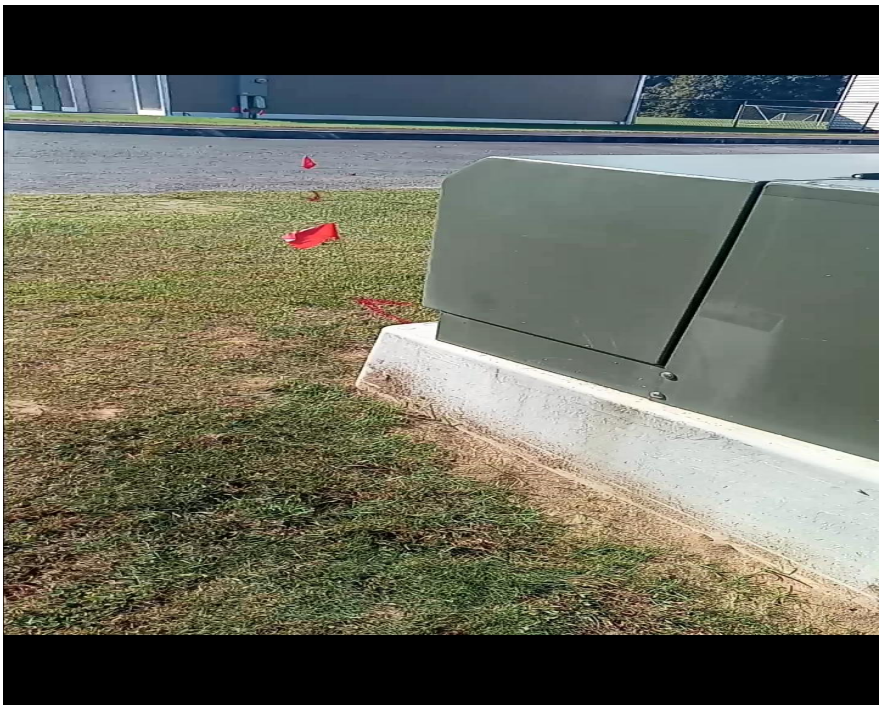
- Pipehorn 800 HL
- Mala Ground Penetrating Radar (GPR)
- Radiodetection RD8100
- McLaughlin Vision LX Utility Locator

Methods/Key Findings:

OTM technicians did an overall utility sweep of the proposed work areas using a combination of electro-magnetic (EM) equipment and ground penetrating radar (GPR). Techs met with the contractor on site and safety swept a total of 12 locations around the Queensbury Landfill area as designated by the contractor to install monitoring wells. After sweeping the areas, nine of the areas showed no evidence of underground utilities. Three of the areas did have underground utilities which were painted and flagged accordingly. The first two areas were in the Ridge/Jenkinsville Park. Electric was marked from a transformer to the bathrooms as well as

direction shown going from the transformer toward the baseball fields. An unknown line was located in the field west of the bathrooms. This line was suspected to be a metal corrugated storm pipe due to the fact that it was detected inductively with the pipe horn. The line was marked 20'on either side of the well location. The third area were underground utilities were found was at 3 Azur Dr. The water and electric services were both painted and flagged. The septic system was located with the GPR as well as the leech field. The contractors informed the techs that the monitoring well will be going in the rear of the property, away from the area where the septic system was found. All findings were communicated with the contractors on site. See photos of markout below.





Electric marked at the transformer.



Suspected corrugated metal storm sewer pipe.



Suspected corrugated metal storm sewer pipe.

.



Water and electric for 3 Azur Dr.



Water and Electric for 3 Azur Dr.



Water and electric for 3 Azur Dr.



Wellhead for 3 Azur Dr.

Abbreviated Biographies:

Adam Banks:

- Northeast Gas Association (NGA) Operator Qualified
- 7+ years of experience in locating/damage prevention

Brandon Pyle:

- Northeast Gas Association (NGA) Operator Qualified
- 1+ years of experience in locating/damage prevention

References/Attachments:

1. https://pipehorn.com/wp-content/uploads/2018/04/800_dual_frequency_manual.pdf
2. https://www.guidelinegeo.com/wp-content/uploads/2018/08/MALA-EL-Pro-HDR-WR-V.1-16.08.18-1.pdf
3. https://www.radiodetection.com/sites/default/files/CAT4-user-guideENG-V4.pdf
4. https://www.radiodetection.com/sites/default/files/product-downloads/rd8100-int-ug-v7-global.pdf?_buster=gILMzXKc

Underground Utility Locating Report

Queensbury Landfill- Queensbury, NY 12804

Client:

Justin King- TRC Engineers Inc.

Work Date:

Thursday, June 13, 2024

Technicians:

- Adam Banks (see abbreviated bio. on pg. 6)
- Brandon Pyle (see abbreviated bio. on pg. 6)

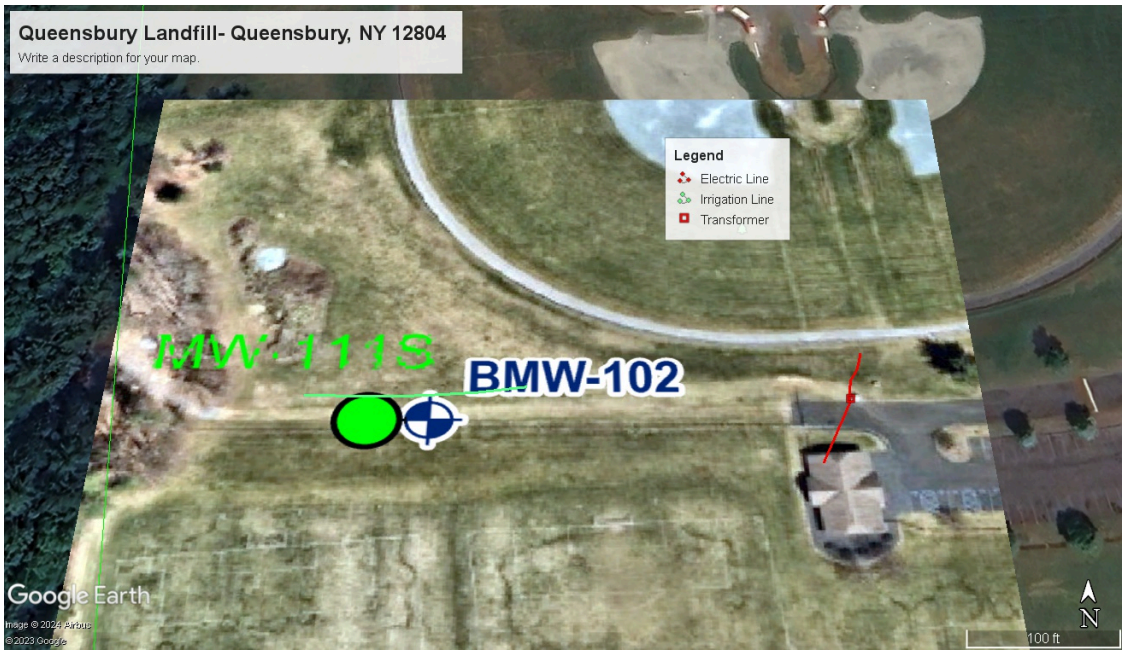
Equipment Used:

- Pipehorn 800 HL
- Radiodetection RD8100
- Mala Ground Penetrating Radar

Methods/Key Findings:

OTM technicians did an overall utility sweep of the proposed work areas using ground penetrating radar (GPR) and electro-magnetic (EM) equipment. The techs were tasked with sweeping 8 areas for proposed monitoring wells that would be in the general vicinity of pre-existing monitoring wells. All eight areas were scanned with the GPR and EM equipment. Scans with the GPR were taken 15ft on all sides of the proposed areas and EM equipment was used to also sweep 15ft on all sides of the proposed areas. Out of the eight areas swept, evidence of utilities was found in one area. Evidence of an irrigation line was found using the

GPR near MW-11S as well as an electric line running from a transformer, east of MW-111S, to a maintenance/storage building. As stated before, MW-111S was the only proposed location where evidence of underground utilities was found. All findings were flagged, painted and communicated with the contractors in the field. Please see map and photos of markout below.



The irrigation line and the electric line near MW-111S.



The irrigation line near MW-11S.



The electric line running from the transformer to the maintenance/storage building.



The electric line running from the transformer to the maintenance/storage building.



The electric line running from the transformer to the maintenance/storage building.

Abbreviated Biographies:

Adam Banks:

- Northeast Gas Association (NGA) Operator Qualified
- 9+ years of experience in locating/damage prevention

Brandon Pyle:

- Northeast Gas Association (NGA) Operator Qualified
- 3+ years of experience in locating/damage prevention

References/Attachments:

1. https://pipehorn.com/wp-content/uploads/2018/04/800_dual_frequency_manual.pdf
2. https://www.guidelinegeo.com/wp-content/uploads/2018/08/MALA-EL-Pro-HDR-WR-V.1-16.08.18-1.pdf
3. https://www.radiodetection.com/sites/default/files/CAT4-user-guideENG-V4.pdf
4. https://www.radiodetection.com/sites/default/files/product-downloads/rd8100-int-ug-v7-global.pdf?_buster=gILMzXKc

APPENDIX D

OFF-SITE MONITORING WELL DEVELOPMENT LOGS

Monitoring Well Development Log

well vol = water column × well dia.^{2} × 0.041

WELL NUMBER	WELL INFORMATION					Date: 11-14-23
BMW-101	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K. Baker, T. Shurtleff
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	4"	230	104.64	N/A	N/A	Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202 1 well vol = 25.7 gal

[1] Use a previously determined total depth. Confirm the total depth of well after developing

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	~~gal/min~~ Flow Rate ~~(ml/min)~~	Total Purge Vol. (US Gal)	Temp:	pH: 7.05, 4.0, 10	Cond:
							D.O.:	ORP:	Turbidity: -0.50
3" Grundfos	1" Geotech Hose	227.5	1600	7:50	7.5	400	Rental Meter Name: RAE DSS		
							Rental Meter Serial No.: FA02580		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1605	7.5 gal/min	145	10.6	6.75	0.611	7.05	219.5	174.75		
1610	" "	161	11.1	7.81	0.557	4.15	178.8	138.25		
1615	" "	176.4	11.4	8.10	0.556	4.30	161.1	221.81		
1620	" "	188.85	11.0	9.12	0.526	4.16	132.8	354.35		Turbidity brown
1625	2.25 gal/min									Pump shut itself off
1635										Start pumping again
1640	7.5 gal/min	185.4	10.4	8.07	0.585	5.25	154.0	466.48		
1645	" "									well dry, stop pump
1650	" "	~~184~~ 184.7	10.4	7.9	0.582	5.35	154.5	282.91		start pump again
1655	" "		10.6	7.88	0.582	5.35	153.5	308.42		well dry
1700		170.9	10.1	8.25	0.572	15.32	143.6	592.22		start pump
1705	" "	183.7	10.9	7.96	0.580	8.45	123.4	318.53		
1735	" "	157.5	9.7	8.03	0.581	4.87	165.6	17.77		start pump
7416		166.5	10.4	8.00	0.566	4.23	172.0	32.52		
745		192.5	9.5	8.44	0.516	3.16	149.6	511.06		Turbid
										Stop pump

Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

Monitoring Well Development Log

Rock set open

WELL NUMBER	WELL INFORMATION					Date: 11/15/23
13MW-102	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K. Baker
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	4.82	137	75.6			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate ~~(ml/min)~~	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
3"	1" Grundfos	135	12:05	13:25	7	300	D.O.:	ORP:	Turbidity:
							Rental Meter Name: YSI 556		
							Rental Meter Serial No.: FA02580		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		Water Conditions/Comments		
Time	Flow Rate ~~(ml/min)~~	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials			
12:05	7		10.0	7.92	0.696	5.42	158.8	65.81	KB			
12:10	"	93.5	10.1	7.88	0.708	2.77	155.0	29.46	KB			
12:15	"	94	9.8	7.79	0.714	4.70	138.2	82.17	KB			
12:20	"	93.24	10.0	7.62	0.731	3.80	113.2	77.53	KB			
12:50	8.5	96.85	9.9	7.68	0.724	7.95	59.6	52.37	KB			
12:45	"	89.62	9.7	7.66	0.727	5.31	3.5	28.68	KB	Pump intake depth: 125'		
12:05	"	106.35	10.0	7.62	0.727	3.74	13.3	26.53	KB			
13:05	8	107.5	9.9	7.64	0.740	6.21	2.5	34.94	KB			
13:15	"	107.93	9.9	7.63	0.740	9.08	19.1	98.97	KB			
13:25	"	106.12	9.9	7.62	0.742	9.58	17.7	61.57	KB			

Water Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

TD = 98.4
WD = 4.82

1 well vol = water column x well dia² x 0.041

1.020 X50 = 51 x 10 = 510
94.4 = 93 1 well vol
932 -

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 11/17/23
MW-101	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel:
PERMIT NUMBER	2"	87.2	72.65			Site Name: NYSDEC Queensbury Landfill (557005)
						Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
Mini Monsoon	1/2" OD	86	910	925	1.75	2.25	D.O.:	ORP:	Turbidity
							Rental Meter Name:	ProDSS	
							Rental Meter Serial No.:	FA02580	

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		Water Conditions/Comments		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials			
910	1.75	73.71	10.3	6.82	1.302	3.06	7.0	455.00	KB			Turb'd
915	"	73.73	11.2	6.84	1.304	2.58	-35.5	300.52	KB			"
920	"	73.67	11.4	6.88	1.295	2.58	-38.4	954.34	KB			"
925	"	73.67	11.4	6.91	1.294	2.72	-40.4	342.09	KB			"

Water Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

VC: 87.2 - 72.65 = 14.55

Well Vol. = 14.55 x 0.163 = 2.37 ≈ 23.7

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 11/7/23
MW-102	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K Baker
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2"	135.95	105.99			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (~~ml~~/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Mega Monsoon	1/2" OD	134	740	820	1.25	50	Rental Meter Name: ProDSS		
							Rental Meter Serial No.: FA02580		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		Water Conditions/Comments		
Time	Flow Rate (~~ml~~/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials			
745	1.25	106.1	10.7	6.71	1.394	3.06	146.6	231.25	KB			
750	"	106.18	11.0	6.70	1.398	1.80	156.7	2042.07	KB			Turb'd
755	"	106.17	11.6	6.76	1.360	2.32	153.0	1890.76	KB			"
800	"	106.23	11.6	6.82	1.354	2.21	139.4	478.05	KB			"
805	"	106.08	11.7	6.84	1.359	2.35	110.0	447.36	KB			"
810	"	106.06	11.8	6.85	1.350	2.49	62.8	153.32	KB			"
820	"	106.03	11.9	6.87	1.349	3.35	-10.5	87.53	KB			Cloudy
										Stopped at 50 gal		

Water Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 29.96

Well Vol. = 29.96 x 0.163 = 4.88 ⇒ 48

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 11/17/23
MW-103	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K Baker
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2"	41.35 ~~53.45~~				Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate ~~(ml/min)~~	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Geo Monsoon	1/2" OD	45	1045	1105	2.5	50	Rental Meter Name: Pro DSS		
							Rental Meter Serial No.: FA02580		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		Water Conditions/Comments		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials			
1050	2.5	46.52	13.4	7.39	0.898	4.59	97.2	3735 ~~X~~	KB			Turbid
1055	"	46.49	13.5	7.37	0.888	4.82	6.5	3914.69	KB			"
1100	"	46.45	13.5	7.35	0.888	4.68	-23.1	2896	KB			Clear
1105	"	46.40	13.5	7.34	0.887	4.81	-30.4	26.30	KB			"

Water Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 53.45 - 46.35 = 7.1

Well Vol. = 7.1 x 0.163 = 1.15 ⇒ 11.5

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 11/16/23
MW-104	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K. Baker
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	76.35	44.29			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Peristaltic Monsoon	1/2" OD	75	1535	1610	4.5	52	Rental Meter Name: YSI DSS		
							Rental Meter Serial No.: FA02580		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]				
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments		
1540	4.5	44.78	11.2	7.18	1.541	4.82	52.2	941.29	KB			Cloudy
1545	"	44.75	10.7	7.12	1.567	3.65	-19.8	1402	KB			"
1550	"	44.73	10.5	7.11	1.585	4.20	-30.1	31.60	KB			"
1555	"	44.77	10.6	7.07	1.601	3.06	-44.8	11.25	KB			Clear
1600	"	44.72	10.5	7.08	1.599	3.33	-43.1	156.43	KB			Turbid

Water Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 76.35 - 44.29 = 32.06

Well Vol. = 32.06 x 0.163 = 5.23 ⇒ 52 gallons

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 11/15/23
MW-105	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K. Baker and J. Knox
PERMIT NUMBER	2	89.34	39.41			Site Name: NYSDEC Queensbury Landfill (557005)
						Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
Bladder Monsoon	1/2" OD	88	1510	1545			D.O.:	ORP:	Turbidity:
							Rental Meter Name: Pro DSS		
							Rental Meter Serial No.: FA02580		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

Criteria:		<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		Water Conditions/Comments		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials			
1515	2.5 gpm	40.30	9.9	7.03	1.426	3.54	94.4	655.05	KB			
1520	"	40.50	9.7	7.08	1.475	3.95	25.4	445.81	KB			
1525	"	40.42	9.8	7.08	1.469	5.03	-5.8	1254.21	KB			Turbid
1530	"	40.36	9.8	7.09	1.476	3.40	-11.3	1878.60	KB			"
1535	"	40.30	9.7	7.13	1.484	4.84	-9.9	722.46	KB			"
1540	"	40.30	9.7	7.16	1.479	5.28	-9.6	1136.25	KB			"
										Stopped at 75 gal		

[3] Turbidity values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 39.94'

VOL = 39.94 × 0.163 = 6.79

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/25/24
MW-105	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: AKorn
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	1	44	38'2"	—	—	Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
waterra	HDPE	44	10:40 11:24	13:05	0.178	~18	Rental Meter Name: Horiba U-52		
							Rental Meter Serial No.: FA05169		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

Criteria:		<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
11:31	0.178		28.92	9.39	0.429	6.95 ~~6.82~~	-82	1000	AK	brown/sediment present
11:36	|		30.65	8.43	0.237	6.60	8	1000		" "
11:41	|		30.11	7.95	0.745	9.73	94	1000		" "
11:46	|		29.32	7.91	0.709	8.20	100	1000		" "
11:51	|	~38ft	19.37	7.95	0.865	12.03	105	1000		" " + thinner
11:58	|		21.93	7.94	0.968	11.56	118	1000		grey/brown some sediment
12:03	|		18.57	7.88	1.00	10.92	129	1000		" "
12:08	|		17.35	7.62	1.06	11.20	148	1000		grey/brown/ cloudy
12:13	|		16.71	7.59	1.10	11.01	153	1000		" "
12:18	|		16.15	7.58	1.14	10.84	160	1000		" "
12:23	|		16.52	7.53	1.16	10.80	160	1000		" "
12:28	|		16.75	7.58	1.19	10.70	163	1000		" "
12:33	|		16.65 ~~16.82~~	7.65	1.22	10.67	159	1000		grey/ cloudy
12:38	|		16. ~~805~~	7.69	1.26	10.64	160	1000		" "
12:43	|		15.26	7.75	1.27	10.56	157	1000		" "
12:48	|		15.89	7.81	1.33	10.48	158	1000		" "
12:53	|		16.25	7.88	1.34	10.37	156	1000		" "
12:58	|		15.56	7.97	1.39	10.61	156	1000		" "
13:03	↓	38	16.08	7.96	1.38	10.33	156	1000		" "

Weather Conditions: sunny ~80°F

[3] For values greater than 10.

1 well vol = (44 - 38.2)(0.041) = 0.239

10 well volumes = 2.89 gal

* ~1 gal of PFAS free DI water added to begin purging

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 11/11/23
MW-106	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K. Bauer
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	96.3	50.32			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (~~ml~~/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
Masa Monsoon	1/2" OD	93	7:45	8:35	1	75	D.O.:	ORP:	Turbidity:
							Rental Meter Name:		
							Rental Meter Serial No.:		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		Water Conditions/Comments		
Time	Flow Rate (~~ml~~/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials			
7:50	1	50.45	9.2	6.73	1.329	5.08	181.0	73.52	KB			
7:55	"	50.45	10.2	6.70	1.335	3.22	190.8	1965.34	KB			Turbid
8:00	"	50.49	10.5	6.83	1.325	2.84	186.6	14.97	KB			
8:05	"	50.46	10.5	6.85	1.319	2.88	175.7	292.57	KB			
8:10	"	50.49	10.4	6.89	1.317	2.21	133.7	30.74	KB			Clear
8:15	"	50.47	10.5	6.89	1.310	2.91	83.8	1153.62	KB			Turbid
8:20	"	50.44	10.6	6.91	1.311	2.25	21.3	101.13	KB			
8:30	"	50.42	10.5	6.90	1.308	2.49	-4.8	55.82	KB			Clear
										Stopped at 75 gal		

Well Purging Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 96.3 - 50.32 = 45.98

Well Vol = 45.98 × 0.163 = 7.49 ⇒ 74.9

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 6/26/24
MW-106S	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: AK, ams
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	1	56	48.3	—	—	Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (~~ml~~/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
water	HDPE	56	07:41	09:36	0.17	~20	Rental Meter Name: Horiba U-52		
							Rental Meter Serial No.: FA 05169		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes										
Criteria:		<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (~~ml~~/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
07:46	0.17		17.05	7.58	0.566	12.92	111	1000	AK	brown/turbid/sediment present
07:51			16.49	7.57	0.586	12.02	132	1000		" "
07:56			17.74	7.56	0.589	10.33	140	1000		" "
08:01			15.97	7.58	0.618	11.17	142	1000		" "
08:06			15.07	7.53	0.624	11.46	151	1000		" "
08:11			14.80	7.43	0.631	11.62	151	1000		" "
08:16			14.35	7.41	0.618	11.76	158	1000		" "
08:21			14.09	7.48	0.620	11.83	163	1000		" " clearer
08:26			13.66	7.55	0.620	11.82	160	1000		" " "
08:31			13.79	7.60	0.622	11.65	166	1000		" " "
08:36			14.02	7.67	0.623	11.70	165	1000		" " "
08:41			14.05	7.76	0.622	11.50	153	1000		brown/grey/opaque
08:46			13.99	7.84	0.625	11.45	148	1000		" " /cloudy
08:51			13.78	7.80	0.623	11.70	155	1000		" " "
08:56			13.91	7.72	0.621	11.65	164	1000		" " "
09:01			13.43	7.73	0.623	11.68	159	1000		" " "
09:06			13.33	7.75	0.624	11.70	162	1000		" "
09:11			13.49	7.66	0.624	11.68	166	1000		" "
09:16			13.75	7.62	0.625	10.70	169	1000		" "
09:21			13.48	7.67	0.626	10.92	170	1000		" "
09:26			13.55	7.66	0.626	10.82	169	1000		" "
09:31			14.56	7.77	0.632	10.70	168	1000		" "
09:36	✓		14.09	7.96	0.627	10.74	157	1000	✓	" "

Weather Conditions: cloudy ~71°F

1 WV = (56 − 48.3)(0.041) = 0.3157

10 WV = 3.157

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 11/15/23
MW-107	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K. Baker and J. King
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	80.55	31.48			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
AMS Monsoon	1/2" OD	79	16:15	16:50		80	D.O.:	ORP:	Turbidity:
							Rental Meter Name:	PaDSS	
							Rental Meter Serial No.:	FA02580	

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		Water Conditions/Comments		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials			
16:20		31.78	9.5	7.28	0.981	4.48	20.8	541.28	KB			
16:25		31.75	9.7	7.27	0.977	4.62	-15.2	96.98	KB			
16:30		31.78	9.8	7.27	0.975	3.19	-31.1	244.41	KB			
16:35		31.81	9.8	7.28	0.973	3.38	-34.9	392.42	KB			
16:40		31.78	9.7	7.27	0.975	3.03	-37.6	34.90	KB			
16:45		31.75	9.8	7.27	0.974	3.00	-38.9	707.12	KB			

Water Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 49.07

Well Vol = 49.07 x 0.163 = 7.99 ⇒ 79

TRC

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 11/16/23
MW-108	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K. Bates
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	88.45	22.35			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
Masterflex	1/2" UD	87	11:05	12:20	5	110	D.O.:	ORP:	Turbidity:
							Rental Meter Name: YSI DSS		
							Rental Meter Serial No.: FA02580		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]			
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments	
11:10	3.5	24.20	10.4	6.90	1.794	3.43	-35.7	1569.22	KB		Turbid
11:15	"	24.19	10.3	6.90	1.916	2.39	-55.1	744.50	KB		"
11:20	"	23.45	10.2	6.89	1.938	1.92	-60.8	670.52	KB		"
11:25	4.5	24.15	10.3	6.93	1.936	2.79	-40.8	1660.61	KB		"
11:35	"	24.15	10.8	6.90	1.948	1.55	-63.6	722.19	KB		"
11:45	"	24.15	11.1	7.01	1.959	2.42	-52.9	386.71	KB		"
11:55	5	24.28	11.6	7.01	1.905	1.81	-57.9	11.28	KB		
12:05	"	24.23	11.0	7.05	1.921	3.33	-42.8	415.50	KB		"
12:15	"	24.23	11.1	6.99	1.928	3.09	-41.1	198.01	KB		

Other Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 66.1

Well Vol. = 66.1 × 0.163 = 10.77 ⇒ 107.7

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/26/24
MW-108S	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: AK
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	27.3	4.7	-	-	Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Water	HDPE	27.3	10:03	11:46	~4,500 ~4,750	~70	Rental Meter Name: Horiba U-52		
							Rental Meter Serial No.: FA05169		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

Criteria:		<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
10:08		4.7	15.06	8.03	0.866	11.57	-50	1000	AK	grey/turbid/SHT present
10:13			13.95	7.96	0.878	11.52	-47	1000		" "
10:18			14.01	7.83	0.883	11.15	-39	1000		" "
10:23			14.04	7.76	0.888	10.72	-38	1000		" "
10:28		8.1	13.22	7.75	0.888	11.04	-42	1000		" "
10:33		8.3	13.16	7.75	0.891	11.08	-42	1000		" "
10:38		8.3 8.2	13.41	7.66	0.901	10.87	-39	1000		" "
10:43		8.3	12.77	7.65	0.894	11.11	-34	1000		" "
10:48		8.3	12.77	7.64	0.895	10.98	-43	1000		" "
10:53		8.4	12.91	7.62	0.901	10.78	-44	1000		" "
10:58		8.7	13.45	7.60	0.900	10.77	-39	1000		" "
11:03		8.9	13.33	7.59	0.908	10.80	-41	1000		" "
11:15	4.5 L/min	15	13.41	7.62	0.874	10.84	-28	1000		" clearer
11:25		11.50	13.53	7.73	0.890	10.82	-33	1000		" "
11:31	4.754 L/min	15.1	13.84	7.77	0.874	10.62	-37	1000		white/cloudy
11:36		14.7	13.44	7.75	0.900	10.66	-35	1000		" "
11:41		14.6	14.50	7.75	0.883	9.75	-41	530		" "
11:46		14.7	14.90	7.75	0.878	9.75	-43	530		" "
										" "

Weather Conditions: Mostly cloudy, ~76°F

from top of casing $1WV = (27.3 - 4.7)(0.163) = 3.6838$

$10\,WV = 36.838$

total gal 59 - 49 =

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 11/6/20
MW-109	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K. Baker
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	85.15	20.89			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Aqua Mission	1/2" OD	84	9:25	10:20	3.5	105	Rental Meter Name:	YSI DSS	
							Rental Meter Serial No.:	FA02580	

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]				
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments		
9:30	3.5	29.95	9.6	7.73	1.086	7.72	66.3	526.29	KB			
9:35	"	28.6	10.1	7.63	1.096	7.60	5.7	39.13	KB			Clear
9:40	"	28.35	10.6	7.63	1.103	7.28	-5.7	10.28	KB			Clear
9:45	"	28.89	10.2	7.63	1.101	7.95	-6.0	314.03	KB			
9:55	"	29.02	10.2	7.61	1.105	8.16	-8.4	1144.27	KB			Turbid
10:05	"	29.30	10.8	7.58	1.112	7.42	-12.0	670.9	KB			Cloudy
10:05	"	29.09	10.3	7.6	1.109	8.27	-10.5	720.0	KB			

Water Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 85.5 - 20.89 = 64.26

Well Vol = 64.26 × 0.163 = 10.47 ⇒ 104.7

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/25/24
MW-109S	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: AK DBS
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	24	5	–	–	Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate ~~(ml/min)~~ gal/min	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
water	HDPE	23.5	16:10	17:15	0.67	~50	Rental Meter Name: Horiba U-52		
							Rental Meter Serial No.: FA 05169		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate ~~(ml/min)~~ gal/min	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
16:15	0.67	~~24~~ 5	13.43	7.73	0.757	16.77	~~1000~~ -98	1000	AK	cloudy/grey
16:20			15.5	7.60	0.804	14.21	-49	1000		" "
16:25			14.97	7.51	0.822	11.91	-34	1000		" "
16:30			14.29	7.39	0.830	11.20	-34	1000		" "
16:35			13.21	7.43	0.842	11.72	-30	1000		" "
~~16:40~~ 16:40			13.10	7.49	0.825	11.66	-31	699		" " / clearer
16:45			13.22	7.52	0.840	11.79	-39	1000		" "
16:50			12.91	7.53	0.862	11.83	-32	958		" "
16:55			12.82	7.52	0.829	11.72	-31	559		" "
17:00			13.25	7.50	0.833	~~11.53~~ 11.68	-41	625		white/cloudy
17:05			12.78	7.50	0.860	12.39	-34	424		" " - clearer
17:10			13.26	7.52	0.852	12.40	-27	286		" "
17:15	↓	7.2	13.42	7.50	0.843	11.97	-48	319	↓	clearish/cloudy

Weather Conditions: cloudy, ~75°F

1 WV = (24 - 5)(0.163) = 3.097

10 WV = 30.97

Monitoring Well Development Log

TRC

WELL NUMBER	WELL INFORMATION					Date: 11/16/23
MW-110	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: K Bowers
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	102.3	31.63			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Mp1 Masoun	1/2" OD	101	13:35	1445	4.5	115	Rental Meter Name:	ProDSS	
							Rental Meter Serial No.:	FAQ 580	

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

Time	Criteria: Flow Rate (ml/min)	<0.3 ft Depth to Water (ft)	± 3% Temp (°C)	± 0.1 su pH (su)	± 3% Cond (mS/cm)	± 10% D.O. (mg/L)	± 10 mv ORP (mv)	± 10%[3] Turbidity (NTU)	Initials	Water Conditions/Comments		
1340	5	43.08	12.3	12.66	1.565	2.85	-74.9	30.31	KB			Turbid
1345	"	43.15	11.6	9.42	1.557	1.50	-129.6	298.00	KB			"
1350	"	42.95	11.1	8.78	1.554	2.61	-100.6	214.48	KB			"
1355	"	41.20	11.0	7.66	1.605	2.66	-79.3	375.64	KB			"
1400	4.5	41.95	11.1	8.31	1.609	2.81	-91.8	52.31	KB			"
1410	"	41.97	11.1	7.64	1.642	2.40	-89.9	20.74	KB			
1420	"	41.43	11.1	7.50	1.642	2.95	-74.1	110.82	KB			
1430	"	41.45	11.0	7.38	1.649	2.53	-74.2	11.23	KB			Clear
1440	"	41.36	11.0	7.35	1.656	2.68	-70.3	4.05	KB			"

Water Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

WC = 70.67

Well Vol = 70.67 x 0.163 = 11.52 => 115

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					
MW-1105	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Date: 6/20/24
PERMIT NUMBER						Personnel: King
	2	36.50	13.67	—	—	Site Name: NYSDEC Queensbury Landfill (557005)
						Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Waterra	HDPE	234	1235	1310	~150 ml/m	2400	Rental Meter Name: Horiba U-52		
							Rental Meter Serial No.: FA 05169		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

Time	Criteria: Flow Rate (ml/min)	<0.3 ft Depth to Water (ft)	± 3% Temp (°C)	± 0.1 su pH (su)	± 3% Cond (mS/cm)	± 10% D.O. (mg/L)	± 10 mv ORP (mv)	± 10%[3] Turbidity (NTU)	Initials	Water Conditions/Comments
1240	~150 ml/m	24.36	18.24	8.01	0.544	13.04	19	>1000		grey/cloudy
1245	↓	25.25	16.02	7.96	0.523	12.30	34	>1000		" "
1250		25.75	15.65	7.90	0.529	11.30	44	808		"
1255		25.80	15.00	7.80	0.528	11.32	50	344		
1300		25.80	15.17	7.54	0.527	10.77	62	224		
1305		25.80	14.69	7.63	0.531	10.88	58	137		
1310	↓	25.80	14.94	7.47	0.529	10.63	65	151		
	END									

Weather Conditions: Sunny ~90°F

[3] For values greater than 10.

1 well vol = (36.50 − 13.67) × 0.163

= 3.72 gal · 10 gal/min = 37.2 gal

TRC

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/25/24
MW-111S	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: KB/AK
PERMIT NUMBER	4	24	17	N/A	N/A	Site Name: NYSDEC Queensbury Landfill (557005)
						Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
waterra	HDPE	23.5	13:55	15:05	~0.25	~18	D.O.:	ORP:	Turbidity:
							Rental Meter Name: Horiba U-52		
							Rental Meter Serial No.: FA-05169		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

Criteria:	Flow Rate gal (ml/min)	<0.3 ft Depth to Water (ft)	±3% Temp (°C)	±0.1 su pH (su)	±3% Cond (mS/cm)	±10% D.O. (mg/L)	±10 mv ORP (mv)	±10%[3] Turbidity (NTU)	Initials	Water Conditions/Comments
14:00	~0.25	17	20.80	7.81	0.305	14.00	137	1000	AK	brown/cloudy
14:05			19.52	7.84	0.277	12.26	149	1000		" "
14:10			19.16	7.62	0.272	11.35	171	1000		" "
14:15			18.84	7.57	0.272	11.24	178	1000		" "
14:20			18.22	7.53	0.273	11.02	189	1000		" "
14:25			17.15	7.59	0.262	11.59	185	1000		" "
14:30			16.07	7.49	0.263	11.70	193	1000		" "
14:35			15.54	7.53	0.263	11.95	242	1000		" "
14:40			15.48	7.58	0.257	11.79	271	1000		brown/grey/cloudy
14:45			15.61	7.53	0.258	12.21	265	1000		" "
14:50			15.76	7.53	0.259	12.04	255	1000		" " clearer
14:55			15.78	7.53	0.258	11.93	241	1000		" "
15:00			15.70	7.53	0.261	11.91	252	1000		" "
15:05	↓	17	16.20	7.40	0.259	11.77	250	1000		" "

Weather Conditions:

1 W.V. = (24 - 17) x 0.163 = 7 x 0.163 = 1.141 gal

10 W.V. = 11.41 gal

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 06/19/2024
MW-112S	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: A. Koros, K. Baker
PERMIT NUMBER						Site Name: NYSDEC Queensbury Landfill (557005)
	2	19.08	12.5			Site Location: Ridge Road, Queensbury, NY
						Job Number: 453202

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
watera	HDP	19.08	9:05	9:58	0.226	12	Rental Meter Name:		
							Rental Meter Serial No.:		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes											
Criteria:	Flow Rate	<0.3 ft Depth to	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]			
Time	(ml/min)	Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments	
9:11	0.226	~~12.5~~	27.33	8.09	0.008	8.02	~~200~~ 41	277	AK	cloudy	
9:16		15	27.12	8.21	0.001	7.73	50	335	AK	cloudy	
9:21			~~27.97~~	8.22	0.001	7.65	83	291	AK	cloudy	
9:26			26.94	8.30	0.001	7.60	78	289	AK	cloudy	
9:31			26.80	8.36	0.001	7.64	94	298	AK	cloudy	
9:36			23.97	8.33	0.000	8.10	39	299	AK	~~little~~ cloudy	
9:41			23.99	8.34	0.000	8.12	57	311	AK	~~little~~ cloudy	
9:46			24.03	8.24	0.000	8.10	84	336	AK	~~little~~ cloudy	
9:51			23.55	8.40	0.000	8.07	89	273	AK	~~little~~ cloudy	
9:56	↓	13.5	22.47	8.44	0.000	8.04	87	306	AK	clear	

Weather Conditions: 83° F, mostly sunny

[3] For values greater than 10.

APPENDIX E

OFF-SITE GROUNDWATER SAMPLE LOGS

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		BMW-101	12/8/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		11:30	12:05
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-BMW-101	12:05	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	106.5 FT	**FINAL DTW (BMP)**	106.96 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	206.31 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	99.81 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.30 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	65.48 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.2	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:30	**BEGIN PURGING**									
11:40	106.87	150	10.7	3.26	8.4	0.69	18.91	-278	192	Clear
11:45	106.91	150	11.2	3.25	8.39	0.42	17.63	-290	192	Clear
11:50	106.93	150	11.2	3.26	8.41	0.38	17.52	-302	192	Clear
11:55	106.95	150	11.2	3.26	8.42	0.36	12.39	-316	192	Clear
12:00	106.96	150	11.1	3.27	8.43	0.35	12.12	-320	192	Clear
12:05	106.96	150	11.1	3.27	8.44	0.33	11.99	-321	192	Clear
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**11**	**3.27**	**8.4**	**0.3**	**12.0**	**-320**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE ____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES	NO
	X	
NO-PURGE METHOD UTILIZED	YES	NO
		X

NUMBER OF GALLONS GENERATED: 1.37

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Bedrock well, 4" open hole

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 12/8/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		BMW-102	12/8/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		9:35	10:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-BMW-102	10:15	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	47.32 FT	**FINAL DTW (BMP)**	47.56 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	137.6 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	90.28 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.16 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	59.22 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.1	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:35	**BEGIN PURGING**									
9:45	47.52	150	9.8	5.06	8.15	1.5	32.50	-236	130	Clear
9:50	47.53	150	9.8	5.05	8.10	0.99	11.02	-243	130	Clear
9:55	47.55	150	9.7	5.03	8.10	0.48	10.98	-269	130	Clear
10:00	47.56	150	9.6	5.02	8.11	0.46	10.92	-271	130	Clear
10:05	47.56	150	9.5	5.02	8.13	0.43	10.91	-273	130	Clear
10:10	47.56	150	9.5	5.02	8.13	0.42	10.75	-277	130	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

10	**5.02**	**8.1**	**0.4**	**10.8**	**-280**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES	NO
	X	

NO-PURGE METHOD UTILIZED	YES	NO
		X

NUMBER OF GALLONS GENERATED

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Bedrock well, 4" open hole

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 12/8/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-101	12/7/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		13:35	14:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-101	14:15	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	72.96 FT	**FINAL DTW (BMP)**	73 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	87.11 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	14.15 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.01 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.32 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.56 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:35	**BEGIN PURGING**									
13:45	72.98	150	9.4	13.1	7.32	1.51	18.84	142	75	Clear
13:50	73.01	150	9.6	11.5	7.03	1.68	19.22	149	75	Clear
13:55	73.02	150	9.5	11.3	6.92	1.73	19.52	153	75	Clear
14:00	73.02	150	9.5	11.1	6.88	1.77	19.7	154	75	Clear
14:05	73.03	150	9.6	10.9	6.87	1.75	14.31	155	75	Clear
14:10	73.00	150	9.7	10.7	6.85	1.74	14.12	151	75	Clear
14:15	73.00	150	9.7	10.5	6.85	1.73	14.07	150	75	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

10	**10.5**	**6.9**	**1.7**	**14.1**	**150**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES	NO
	X	
NO-PURGE METHOD UTILIZED	YES	NO
		X

NUMBER OF GALLONS GENERATED: 1.56

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Pump set at screen midpoint

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 12/7/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-102	12/7/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:45	11:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-102	11:35	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	106.05 FT	**FINAL DTW (BMP)**	106 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	135.99 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	29.94 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	-0.01 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.91 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.76 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:45	**BEGIN PURGING**									
10:50	106.00	150	11.7	0.040	6.62	3.7	13.78	17.2	122	Clear
11:00	106.00	150	-	-	-	-	-	-	122	Generator shut off
11:05	106.00	150	9.6	0.0840	6.75	9.57	19.52	32.5	122	Clear
11:10	106.01	150	11.3	0.0798	6.61	8.81	18.14	42.6	122	Clear
11:15	106.01	150	11.8	0.0794	6.61	9.21	14.21	43.9	122	Clear
11:20	105.99	150	11.7	0.0780	6.68	8.86	15.3	35.5	122	Clear
11:25	106.00	150	12.3	0.0983	6.61	8.20	16.12	46.2	122	Clear
11:30	106.00	150	13.0	0.0949	6.61	8.48	16.16	44.2	122	Clear
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**13**	**0.1**	**6.6**	**8.5**	**16.2**	**44**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE ____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES	NO
	X	
NO-PURGE METHOD UTILIZED	YES	NO
		X

NUMBER OF GALLONS GENERATED: 1.76

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Pump set at screen midpoint

Sampler Signature: Kelsey Baker Print Name: Kelsey Baker

Checked By: Aubrey Burns Date: 12/7/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID		DATE	
Queensbury Landfill		MW-103		12/7/2023	
PROJECT NUMBER		**START TIME**		**END TIME**	
453202.0000.0000		10:50		11:35	
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**		**PAGE**	
QNSB-MW-103	11:35	557005		1 OF 1	

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	46.71 FT	**FINAL DTW (BMP)**	46.78 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	75.31 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	28.6 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.01 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.69 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.56 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:50	**BEGIN PURGING**									
11:00	46.75	150	11.2	10.30	7.31	6.99	135.1	141	70	Murky/Turbid
11:05	46.76	150	12.1	7.70	7.47	6.86	62.5	137	70	Clear
11:10	46.77	150	12.3	7.50	7.42	6.91	29.2	136	70	Clear
11:15	46.77	150	12.4	7.40	7.40	6.91	12.3	134	70	Clear
11:20	46.78	150	12.4	7.30	7.41	6.92	9.3	132	70	Clear
11:25	46.78	150	12.5	7.40	7.40	6.93	8.2	124	70	Clear
11:30	46.78	150	12.4	7.30	7.40	6.93	8.1	128	70	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	12	**7.30**	**7.4**	**6.9**	**8.1**	**130**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.56

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Pump set at screen midpoint

Sampler Signature:  Print Name: Rich DePolo

Checked By: Aubrey Burns Date: 12/7/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-104	12/5/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:35	11:20
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-104	11:20	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	44.42 FT	**FINAL DTW (BMP)**	44.46 FT	**PROT. CASING STICKUP (AGS)**	N/A FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	75.32 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	30.9 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.01 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	5.07 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.56 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:35	**BEGIN PURGING**									
10:50	44.52	150	10.7	1.438	6.93	0.13	104.6	-64.8	67	Turbid
11:00	44.49	150	10.8	1.438	6.93	0.12	104.6	-67.4	67	Turbid
11:05	44.45	150	10.6	1.440	6.93	0.13	104.3	-71.0	67	Turbid
11:10	44.46	150	10.9	1.448	6.98	0.13	105.7	-73.3	67	Turbid
11:15	44.46	150	10.9	1.441	6.93	0.12	105.2	-76.1	67	Turbid

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

11	**1.44**	**6.9**	**0.1**	**105**	**-80**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES	NO
	X	

NO-PURGE METHOD UTILIZED	YES	NO
		X

NUMBER OF GALLONS GENERATED: 1.56

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Pump set at screen midpoint

Sampler Signature:  Print Name: Kelsey Baker

Checked By: Aubrey Burns Date: 12/5/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-105	12/5/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		11:00	11:40
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-105	11:40	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	39.42 FT	**FINAL DTW (BMP)**	39.56 FT	**PROT. CASING STICKUP (AGS)**	N/A FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	91.81 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	52.39 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	8.59 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:00	**BEGIN PURGING**									
11:10	39.51	150	7.9	10.9	7.35	12.63	151.2	30.2	86	Turbid
11:15	39.53	150	8.2	8.4	7.15	11.33	22.79	75.4	86	Clear
11:20	39.53	150	8.5	8.1	7.09	10.31	10.31	81.2	86	Clear
11:25	39.54	150	8.9	7.7	7.06	10.01	9.37	83.1	86	Clear
11:30	39.55	150	9.1	7.5	7.05	9.91	8.51	83.7	86	Clear
11:35	39.56	150	9.2	7.6	7.65	9.89	8.32	84.1	86	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	9	**7.6**	**7.7**	**9.9**	**8.3**	**84**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

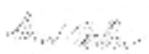
NUMBER OF GALLONS GENERATED: 1.37

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Backyard well

Pump set at screen midpoint

Sampler Signature: 

Print Name: Rich DePolo

Checked By: Aubrey Burns

Date: 12/5/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-106	12/6/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:05	14:45
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-106	14:45	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	52.31 FT	**FINAL DTW (BMP)**	52.41 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	FT
WELL DEPTH (BMP)	96.35 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	SEC
WATER COLUMN	44.04 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	7.22 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:05	**BEGIN PURGING**									
14:15	52.31	150	9.2	11.2	6.89	7.89	98.2	-102	87	Clear
14:20	52.37	150	9.5	6.3	7.21	5.31	16.2	-98	87	Clear
14:25	52.40	150	9.7	5.7	7.25	4.49	14.7	-91	87	Clear
14:30	52.41	150	9.8	5.5	7.25	4.23	8.3	-87	87	Clear
14:35	52.41	150	9.8	4.9	7.25	4.19	8.1	-85	87	Clear
14:40	52.42	150	9.9	4.7	7.25	4.17	7.8	-84	87	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	9.9	**4.7**	**7.3**	**4.2**	**7.8**	**-84**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.37

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Rich DePolo

Checked By: Aubrey Burns Date: 12/6/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID		DATE	
Queensbury Landfill		MW-107		12/6/2023	
PROJECT NUMBER		**START TIME**		**END TIME**	
453202.0000.0000		13:30		14:45	
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**		**PAGE**	
QNSB-MW-107	14:45	557005		1 OF 1	

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER _____

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER _____

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	31.46 FT	**FINAL DTW (BMP)**	31.6 FT	**PROT. CASING STICKUP (AGS)**	N/A FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	80.42 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	48.96 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	8.03 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.73 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:30	**BEGIN PURGING**									
13:40	31.60	150	8.6	0.0114	7.38	11.43	17.21	50.5	72	
13:45	31.65	150	8.5	0.0117	7.29	11.36	15.12	31.1	72	Left to set up pump at MW-106
14:20	31.61	150	8.0	0.0461	7.27	11.98	86.32	-44.7	72	
14:25	31.70	150	9.8	0.0720	7.01	5.10	11.66	-56.2	72	
14:30	31.65	150	9.9	0.0725	7.02	0.92	11.13	-80.1	72	
14:35	31.60	150	9.3	0.0731	7.04	0.56	9.51	-86.0	72	
14:40	31.60	150	9.2	0.0756	7.02	7.67	9.48	-68.9	72	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

9.2	**0.0756**	**7.0**	**7.7**	**9.48**	**-69**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID _____
- [X] WQ METER YSI Pro
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

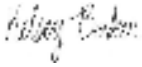
PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.73

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Kelsey Baker

Checked By: Aubrey Burns

Date: 12/6/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-108	12/6/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:10	10:50
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-108	10:50	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	22.56 FT	**FINAL DTW (BMP)**	22.59 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	90.12 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	67.56 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	11.08 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:10	**BEGIN PURGING**									
10:20	22.57	150	10.3	7.20	7.59	15.34	159.1	-123	83	Clear
10:25	22.57	150	9.9	8.30	7.77	12.31	32.1	-101	83	Clear
10:30	22.58	150	9.3	8.70	8.12	11.03	10.5	-92	83	Clear
10:35	22.58	150	8.5	9.20	8.17	10.92	9.9	-87	83	Clear
10:40	22.59	150	8.3	9.50	8.22	10.71	9.5	-85	83	Clear
10:45	22.59	150	8.3	9.90	8.28	10.54	9.2	-82.0	83	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

8	**9.90**	**8.3**	**10.5**	**9.2**	**-82**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [X] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [ ] PID _____
- [X] WQ METER YSI Pro
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES	NO
	X	

NUMBER OF GALLONS GENERATED: 1.37

NO-PURGE METHOD UTILIZED	YES	NO
		X

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Rich DePolo

Checked By: Aubrey Burns Date: 12/6/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-109	12/6/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		9:50	10:50
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-109	10:50	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	20.83 FT	**FINAL DTW (BMP)**	21.4 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	85.09 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	64.26 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.09 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.54 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.95 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:50	**BEGIN PURGING**									
9:55	21.32	150	9.0	0.0082	7.95	10.89	99.45	176.3	-	Turbid
10:15	21.21	150	6.0	0.0071	8.02	12.16	88.82	179.3	-	Generator shut off
10:20	21.41	150	5.7	0.0281	8.04	12.00	95.68	169.6	-	Turbid
10:25	21.45	150	8.5	0.0129	8.01	10.79	116.32	139.5	-	Turbid
10:30	21.48	150	9.2	0.0133	7.91	10.32	110.99	86.1	-	Turbid
10:35	21.50	150	9.2	0.0523	7.87	10.30	98.98	84.4	-	Turbid
10:40	21.40	150	7.3	0.0472	7.97	11.16	96.01	108.5	-	Turbid

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	7.3	**0.0472**	**8.0**	**11.2**	**96.0**	**110**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.95

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Kelsey Baker Print Name: Kelsey Baker

Checked By: Aubrey Burns Date: 12/6/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-110	12/5/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		13:50	14:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-110	14:30	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [X] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	32.91 FT	**FINAL DTW (BMP)**	37.57 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	116.52 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	83.61 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.76 GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	13.71 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.6	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:50	**BEGIN PURGING**									
13:55	37.60	150	5.7	0.0612	8.86	11.79	23.29	-7.8	91	Clear
14:00	37.52	150	8.6	0.0611	9.11	10.90	22.61	-73.7	91	Clear
14:05	37.50	150	9.1	0.0613	9.15	10.84	22.69	-129.4	91	Clear
14:10	37.48	150	9.5	0.0624	9.26	10.78	22.62	-157.4	91	Clear
14:15	37.55	150	9.6	0.0642	6.37	10.79	22.73	-167.3	91	Clear
14:20	37.55	150	9.9	0.0646	9.47	10.70	22.76	-179.9	91	Clear
14:25	37.57	150	9.6	0.0619	10.93	10.86	23.00	-189.4	91	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	10	**0.0619**	**10.9**	**10.9**	**23.0**	**-190**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER YSI Pro
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.37

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Kelsey Baker Print Name: Kelsey Baker

Checked By: Aubrey Burns Date: 12/6/2023

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		QNSB-MW-03	12/12/2023
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000			
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-03	16:10	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	154.48 FT	**FINAL DTW (BMP)**	FT	**PROT. CASING STICKUP (AGS)**	FT	**TOC/TOR DIFFERENCE**	FT
WELL DEPTH (BMP)	167.35 FT	**SCREEN LENGTH**	FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	SEC
WATER COLUMN	12.87 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.11 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	GAL	**DRAWDOWN/ TOTAL PURGED**		**PRESSURE TO PUMP**	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
15:30	-	-	14.8	1109	6.68	3.39	16.10	117.0	-	Vol 1
15:50	-	-	15.9	1398	6.65	2.22	12.14	73.7	-	Vol 2
16:00	-	-	14.4	1411	6.56	1.93	12.17	46.5	-	Vol 3

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER Bailer
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron
- [ ] PID
- [X] WQ METER YSI ProDSS
- [X] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	CSIA 1,4-Dioxane							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[ ]

NUMBER OF GALLONS GENERATED

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

3 volumes = 2.09 x 3 = 6.27

Sampler Signature: Print Name: Rich DePolo

Checked By: Date: 12/12/2023

GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-01	7/11/2024
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		8:00	8:50
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MCLN-MW-01	8:50	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	91.71 FT	**FINAL DTW (BMP)**	- FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	98.9 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	7.19 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	- GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.18 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.54 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
8:05	**BEGIN PURGING**									
8:10	-	N/A	26.48	0.001	7.46	10.39	401	-25	-	
8:15	-	N/A	17.85	1.350	7.44	15.82	137	-38	-	
8:20	-	N/A	15.77	1.420	7.44	13.74	140	-32	-	
8:25	-	N/A	14.61	1.440	7.44	12.67	142	-33	-	
8:30	-	N/A	14.52	1.450	7.47	11.45	153	-39	-	
8:35	-	N/A	15.45	1.430	7.58	10.96	256	-42	-	
8:40	-	N/A	14.12	1.470	7.48	11.03	260	-32	-	
8:45	-	N/A	13.99	1.480	7.71	10.32	270	-43	-	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**14**	**1.48**	**7.7**	**10.3**	**270**	**-43**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [X] OTHER Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] OTHER N/A

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 3.54

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Purged 3 well volumes, using HDPE bailer

Sampler Signature: 

Print Name: Kelsey Baker

Checked By: Aubrey Burns

Date: 7/11/2024

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-105S	7/10/2024
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		11:15	0:00
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-105S	12:00	557005	1 OF 1

WELL DIAMETER (INCHES) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	37.67 FT	**FINAL DTW (BMP)**	38.12 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	43.69 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	6.02 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.25 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:15	**BEGIN PURGING**									
11:20	38.16	150	21.97	1.11	7.18	11.72	211	109	43	Murky
11:25	38.19	150	20.81	0.98	6.91	8.21	101	82	43	
11:30	38.21	150	20.79	0.96	6.87	8.01	72	76	43	
11:35	38.22	150	20.76	0.92	6.84	7.42	43	72	43	
11:40	38.24	150	20.77	0.89	6.83	7.91	31	71	43	
11:45	38.25	150	20.78	0.88	6.81	7.90	21	68	43	
11:50	38.26	150	20.79	0.85	6.79	7.87	16	65	43	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	21	**0.85**	**6.8**	**7.9**	**16**	**65**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [X] WATTERA
- [X] OTHER Bailer
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.37

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Poor recovery, used a bailer due to clogging of Wattera

Sampler Signature: 

Print Name: R. DePolo

Checked By: Aubrey Burns

Date: 7/10/2024

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-106S	7/10/2024
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		8:20	9:00
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-106S	9:00	557005	1 OF 1

WELL DIAMETER (INCHES) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	48.23 FT	**FINAL DTW (BMP)**	48.65 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	55.49 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	7.26 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.30 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.01	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
8:20	**BEGIN PURGING**									
8:25	48.51	150	18.13	0.729	6.81	3.14	189	-33	52	Sandy, turbid
8:30	48.56	150	18.15	0.521	6.71	2.17	51	-35	52	-
8:35	48.58	150	18.17	0.499	6.66	2.09	22	-37	52	Clear
8:40	48.6	150	18.23	0.481	6.53	2.01	17	-41	52	Clear
8:45	48.61	150	18.24	0.479	6.44	1.98	9	-42	52	Clear
8:50	48.63	150	18.22	0.477	6.48	1.95	7	-43	52	Clear
8:55	48.65	150	18.19	0.475	6.47	1.94	6	-44	52	Clear

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

18	**0.475**	**6.5**	**1.9**	**6**	**-44**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [X] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[X]	[ ]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 1.37

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: R. DePolo

Checked By: Aubrey Burns Date: 7/10/2024

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-108S	7/11/2024
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:00	10:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-108S	10:35	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	5.16 FT	**FINAL DTW (BMP)**	5.95 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	26.5 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	21.34 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.13 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.50 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.17 GAL	**DRAWDOWN/ TOTAL PURGED**	0.11	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:00	**BEGIN PURGING**									
10:05	5.75	150	25.06	0.001	7.65	10.73	5.7	131	25	
10:10	5.75	150	24.92	0.379	7.30	9.54	0.2	117	25	
10:15	5.80	150	24.01	0.372	7.30	8.51	5.7	76	25	
10:20	5.80	150	23.52	0.423	7.24	8.30	10.2	74	25	
10:25	5.90	150	22.96	0.406	7.20	8.10	10.1	73	25	
10:30	5.95	150	22.52	0.379	7.19	7.83	9.6	9	25	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	23	**0.379**	**7.2**	**7.8**	**9.6**	**9.0**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER N/A

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [X] OTHER N/A

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.17

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Kelsey Baker Print Name: Kelsey Baker

Checked By: Aubrey Burns Date: 7/11/2024

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-109S	7/9/2024
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		13:45	14:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-109S	14:30	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	5.12 FT	**FINAL DTW (BMP)**	- FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	27.11 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	21.99 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	- GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.61 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:45	**BEGIN PURGING**									
13:50	6.17	150	15.30	0.958	7.87	13.09	0.00	-119	20	Clear
13:55	6.19	150	14.14	0.970	7.85	10.14	0.00	-124	20	
14:00	-	150	13.82	0.960	7.81	9.84	0.00	-127	20	
14:01	-	150	13.72	0.945	7.79	9.26	0.00	-129	20	
14:15	6.05	150	13.63	0.950	7.75	8.73	0.00	-129	20	
14:20	5.9	150	14.01	0.942	7.73	8.60	0.00	-130	20	
14:25	-	150	14.00	0.940	8.06	8.62	0.00	-140	20	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	14	**0.940**	**8.1**	**8.6**	**0**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [X] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [ ] PID _____
- [X] WQ METER _____
- [X] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.37

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

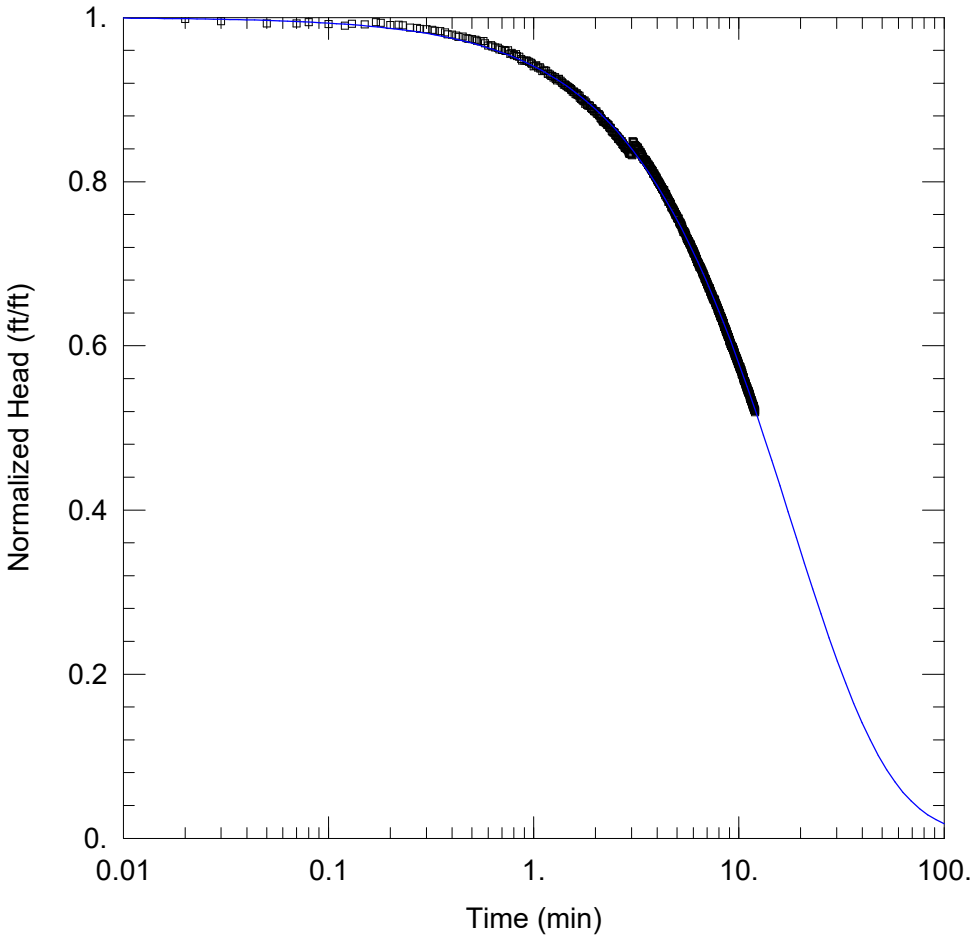
SKETCH/NOTES

Sampler Signature: Audrey Koros Print Name: Audrey Koros

Checked By: Aubrey Burns Date: 7/9/2024

APPENDIX F

SLUG TESTING DATA OUTPUTS



FALLING HEAD TEST

Data Set: S:\NYDEC Slug tests\BMW-101 FH Cooper et al.aqt
Date: 01/09/24 Time: 09:13:25

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: BMW-101
Test Date: 3-15-23

AQUIFER DATA

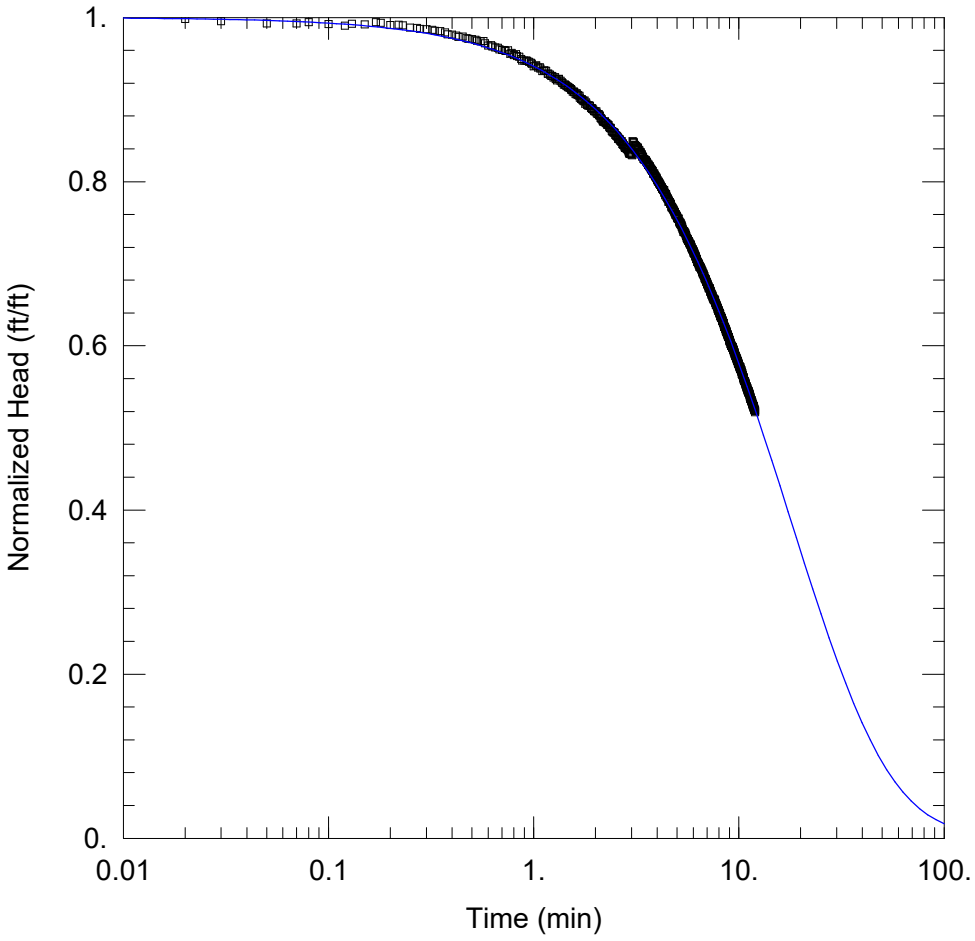
Saturated Thickness: 23. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (BMW-01)

Initial Displacement: 1.137 ft
Total Well Penetration Depth: 23. ft
Casing Radius: 0.208 ft
Static Water Column Height: 126.8 ft
Screen Length: 23. ft
Well Radius: 0.203 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos
T = 0.2238 cm^2/sec
S = 1.0E-10



FALLING HEAD TEST

Data Set: S:\NYDEC Slug tests\BMW-101 FH Cooper et al.aqt
Date: 01/09/24 Time: 13:07:52

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: BMW-101
Test Date: 12-12-23

AQUIFER DATA

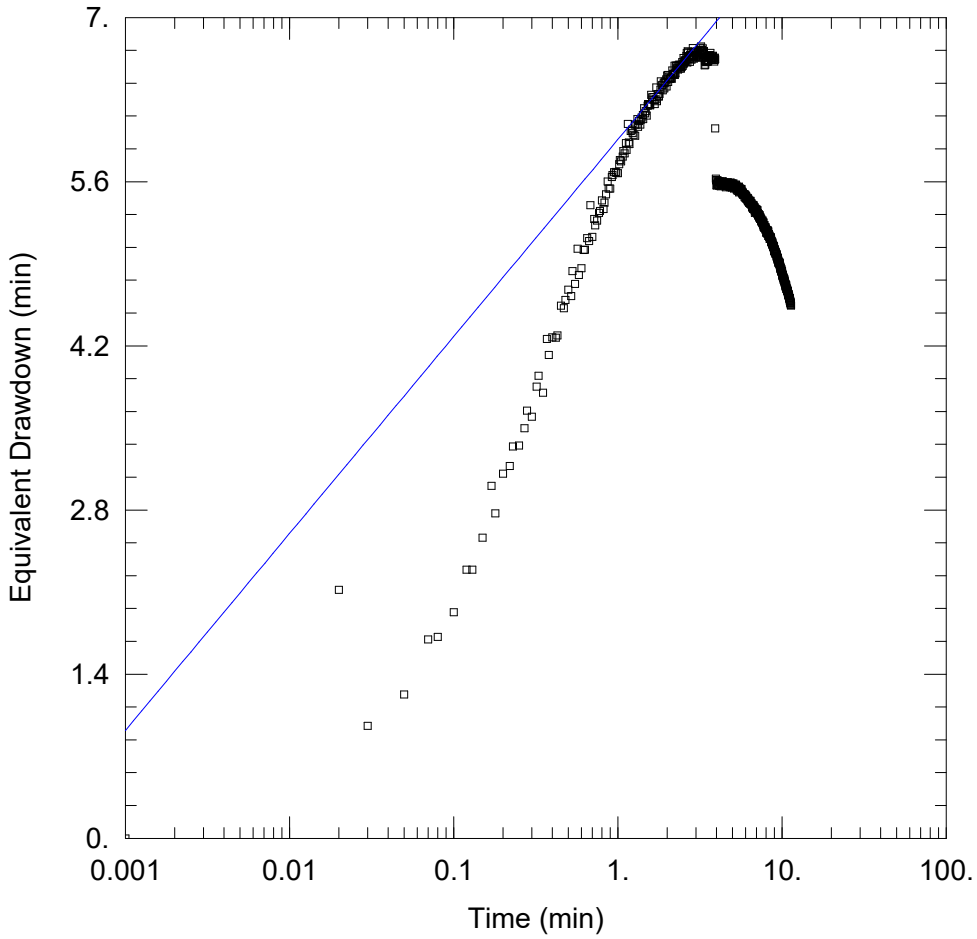
Saturated Thickness: 23. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (BMW-01)

Initial Displacement: 1.137 ft
Total Well Penetration Depth: 23. ft
Casing Radius: 0.208 ft
Static Water Column Height: 126.8 ft
Screen Length: 23. ft
Well Radius: 0.203 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos
T = 0.2238 cm^2/sec
S = 1.0E-10



RISING HEAD TEST

Data Set: S:\NYDEC Slug tests\BMW-101 rH peres.aqt
Date: 01/09/24 Time: 09:18:01

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: BMW-101
Test Date: 12-12-23

AQUIFER DATA

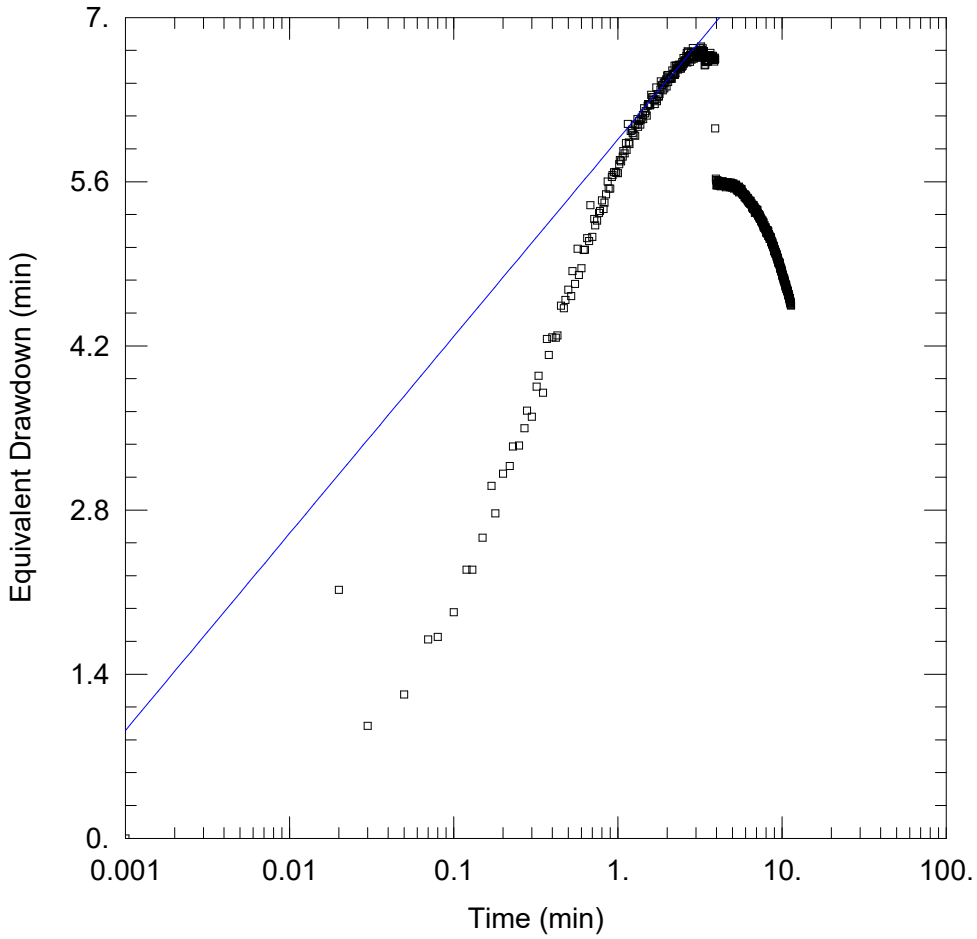
Saturated Thickness: 23. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (BMW-01)

Initial Displacement: 0.649 ft
Total Well Penetration Depth: 23. ft
Casing Radius: 0.208 ft
Static Water Column Height: 126.2 ft
Screen Length: 23. ft
Well Radius: 0.203 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Peres-Onur-Reynolds
T = 0.2296 cm^2/sec
S = 0.0004085



RISING HEAD TEST

Data Set: S:\NYDEC Slug tests\BMW-101 rH peres.aqt
Date: 01/09/24 Time: 13:09:49

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: BMW-101
Test Date: 12-12-23

AQUIFER DATA

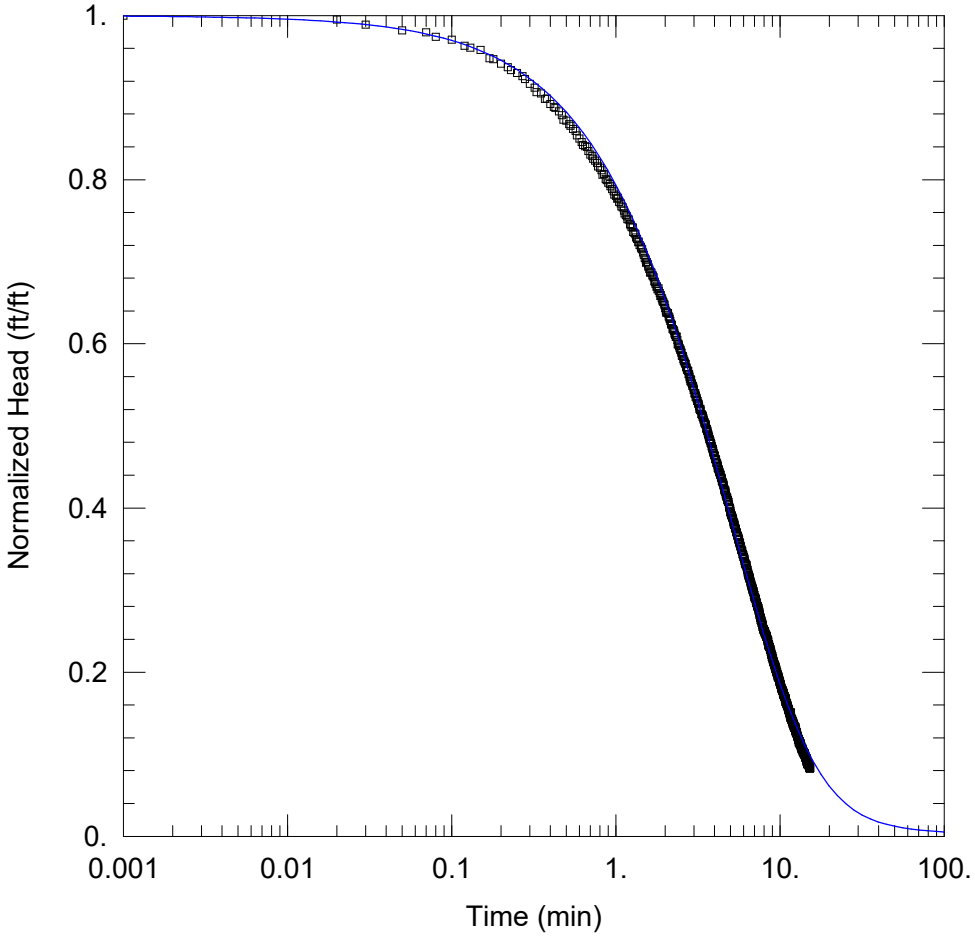
Saturated Thickness: 23. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (BMW-01)

Initial Displacement: 0.649 ft
Total Well Penetration Depth: 23. ft
Casing Radius: 0.208 ft
Static Water Column Height: 126.2 ft
Screen Length: 23. ft
Well Radius: 0.203 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Peres-Onur-Reynolds
T = 0.2296 cm^2/sec
S = 0.0004085



FALLING HEAD TEST

Data Set: S:\NYDEC Slug tests\BMW-102 FH Cooper et al.aqt
Date: 01/09/24 Time: 10:27:37

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: BMW-102
Test Date: 12-11-23

AQUIFER DATA

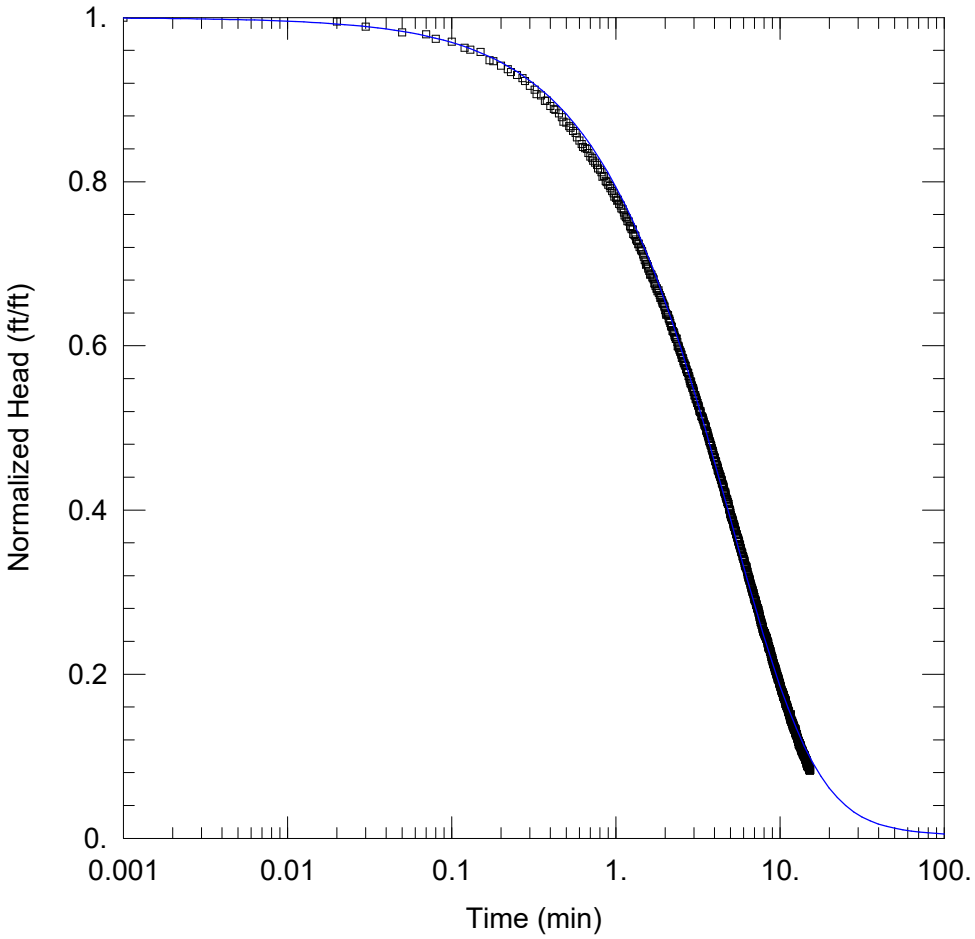
Saturated Thickness: 50. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (BMW-102)

Initial Displacement: 0.9231 ft
Total Well Penetration Depth: 50. ft
Casing Radius: 0.208 ft
Static Water Column Height: 93.69 ft
Screen Length: 50. ft
Well Radius: 0.203 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos
T = 0.364 cm^2/sec
S = 4.681E-5



FALLING HEAD TEST

Data Set: S:\NYDEC Slug tests\BMW-102 FH Cooper et al.aqt
Date: 01/09/24 Time: 13:12:29

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: BMW-102
Test Date: 12-11-23

AQUIFER DATA

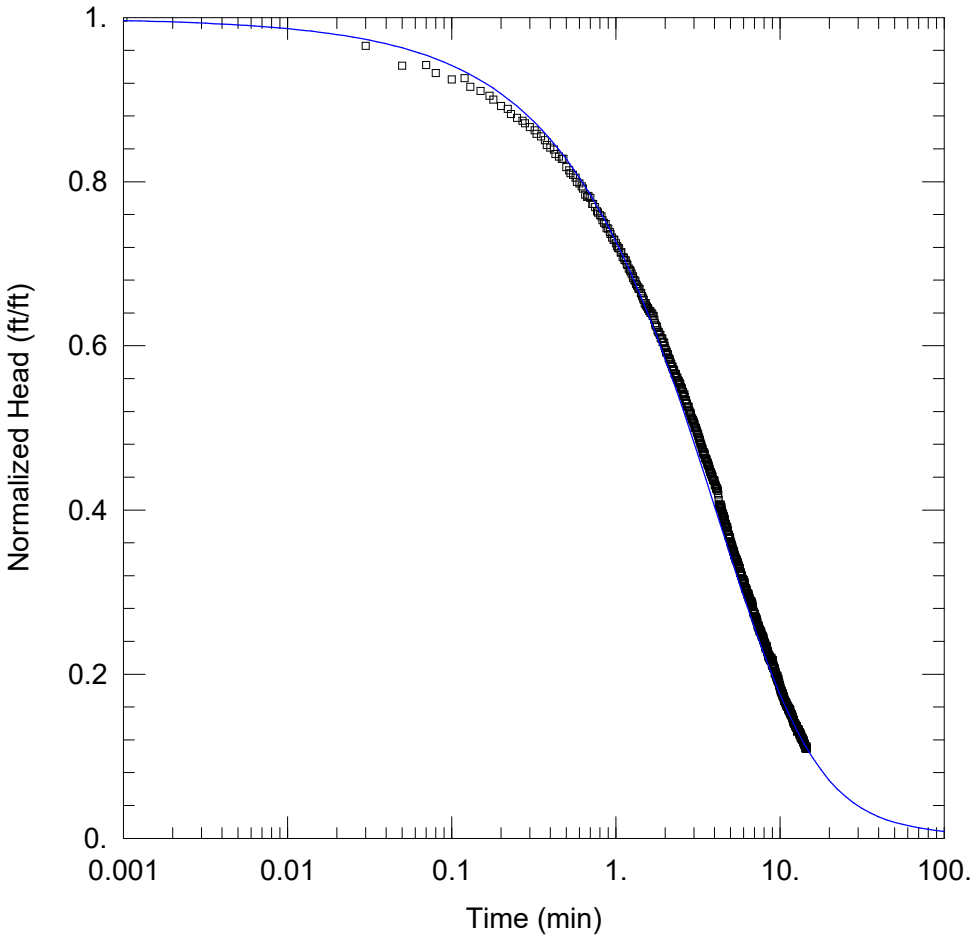
Saturated Thickness: 50. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (BMW-102)

Initial Displacement: 0.9231 ft
Total Well Penetration Depth: 50. ft
Casing Radius: 0.203 ft
Static Water Column Height: 93.67 ft
Screen Length: 50. ft
Well Radius: 0.203 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos
T = 0.3467 cm^2/sec
S = 4.462E-5



RISING HEAD TEST

Data Set: S:\NYDEC Slug tests\BMW-102 RH Cooper et al.aqt
Date: 01/09/24 Time: 10:52:24

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: BMW-102
Test Date: 12-11-23

AQUIFER DATA

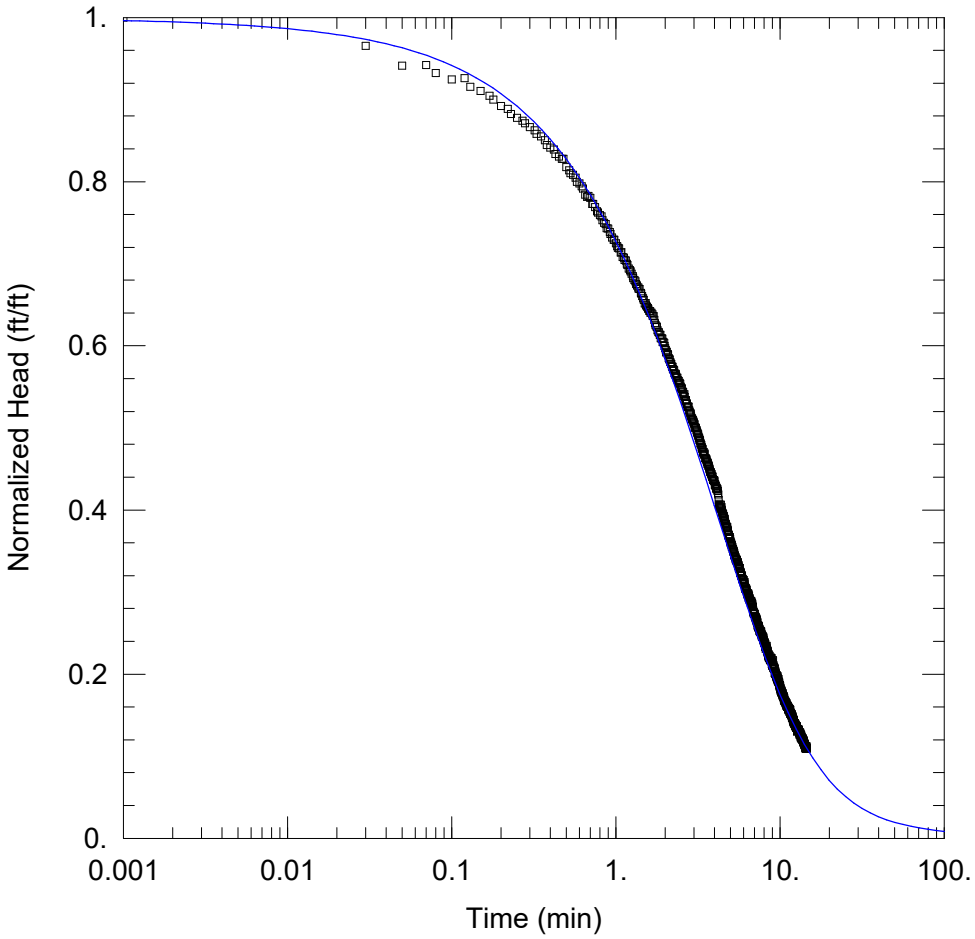
Saturated Thickness: 50. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (BMW-102)

Initial Displacement: 0.9618 ft
Total Well Penetration Depth: 50. ft
Casing Radius: 0.203 ft
Static Water Column Height: 93.69 ft
Screen Length: 50. ft
Well Radius: 0.203 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos
T = 0.2124 cm^2/sec
S = 0.006781



RISING HEAD TEST

Data Set: S:\NYDEC Slug tests\BMW-102 RH Cooper et al.aqt
Date: 01/09/24 Time: 13:13:20

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: BMW-102
Test Date: 12-11-23

AQUIFER DATA

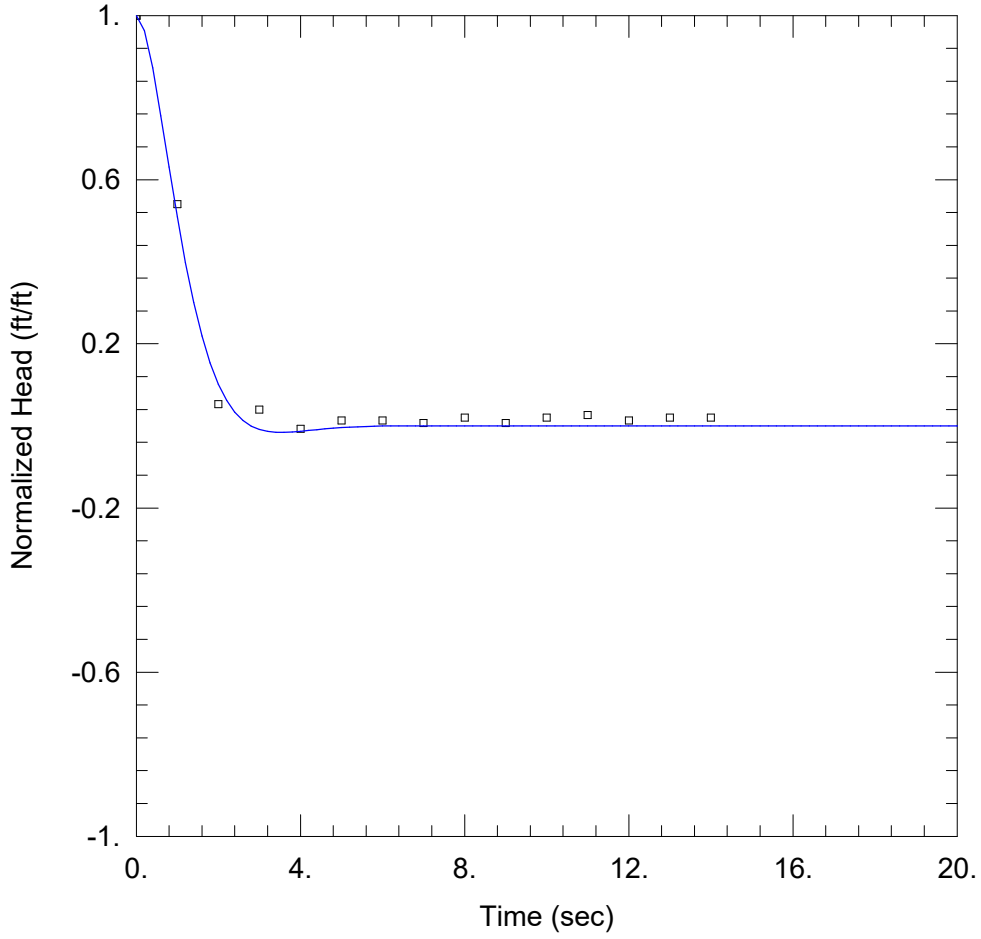
Saturated Thickness: 50. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (BMW-102)

Initial Displacement: 0.9618 ft Static Water Column Height: 93.67 ft
Total Well Penetration Depth: 50. ft Screen Length: 50. ft
Casing Radius: 0.203 ft Well Radius: 0.203 ft

SOLUTION

Aquifer Model: Confined Solution Method: Cooper-Bredehoeft-Papadopulos
T = 0.2124 cm^2/sec S = 0.006781



FALLING HEAD TEST (2)

Data Set: S:\NYDEC Slug tests\MW-101 FH2 S-G.aqt
Date: 01/09/24 Time: 12:09:30

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-101
Test Date: 12-12-23

AQUIFER DATA

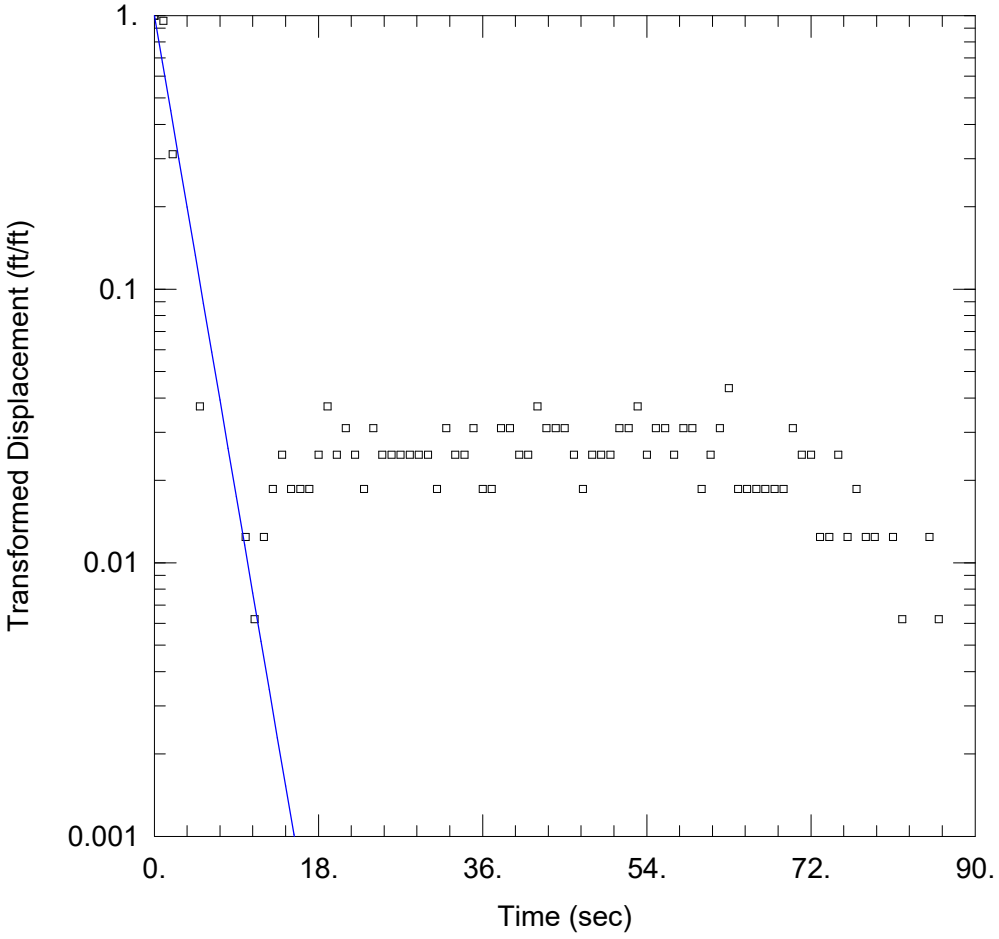
Saturated Thickness: 25.99 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-101)

Initial Displacement: 0.15 ft Static Water Column Height: 11.99 ft
Total Well Penetration Depth: 9.4 ft Screen Length: 9.4 ft
Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Springer-Gelhar
K = 0.03348 cm/sec Le = 14.69 ft



RISING HEAD TEST (2)

Data Set: S:\NYDEC Slug tests\MW-101 RH2 dagan.aqt
Date: 01/09/24 Time: 13:57:31

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-101
Test Date: 12-12-23

AQUIFER DATA

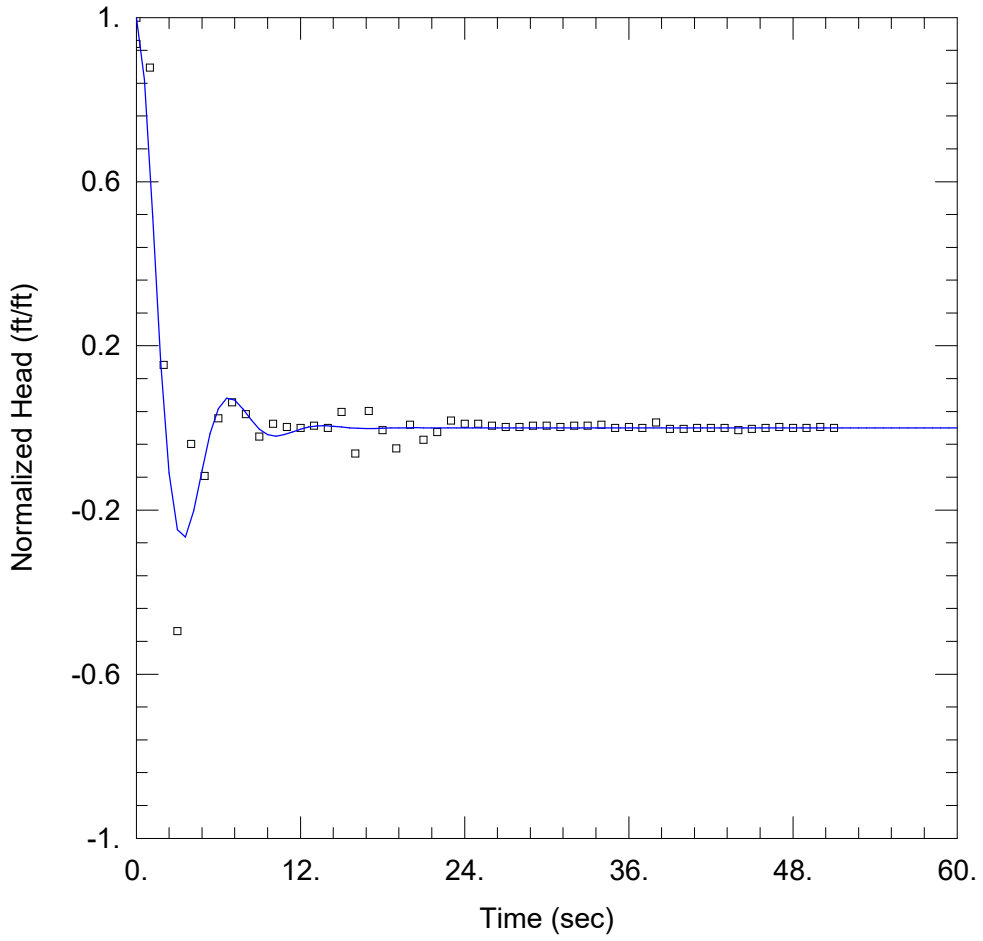
Saturated Thickness: 26.1 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-101)

Initial Displacement: 0.16 ft
Total Well Penetration Depth: 11.99 ft
Casing Radius: 0.256 ft
Static Water Column Height: 11.99 ft
Screen Length: 11.99 ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Dagan
K = 0.1544 cm/sec
y0 = 0.1619 ft



FALLING HEAD TEST 1

Data Set: S:\NYDEC Slug tests\MW-102 FH1 S-G.aqt
Date: 01/09/24 Time: 13:45:33

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-102
Test Date: 12-12-23

AQUIFER DATA

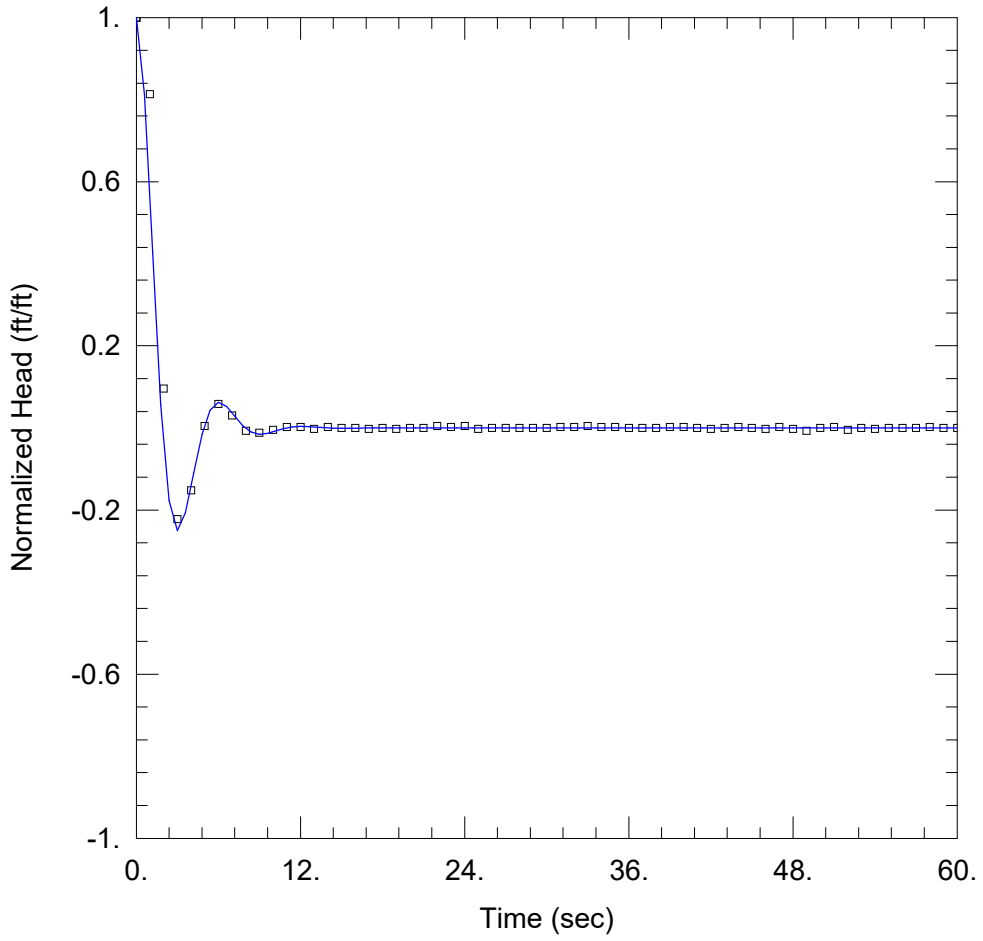
Saturated Thickness: 33.8 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-102)

Initial Displacement: 0.3837 ft
Total Well Penetration Depth: 26.8 ft
Casing Radius: 0.083 ft
Static Water Column Height: 26.8 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.03716 cm/sec
Le = 31.98 ft



RISING HEAD TEST (1)

Data Set: S:\NYDEC Slug tests\MW-102 RH1 S-G.aqt
Date: 01/09/24 Time: 14:04:53

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-102
Test Date: 12-12-23

AQUIFER DATA

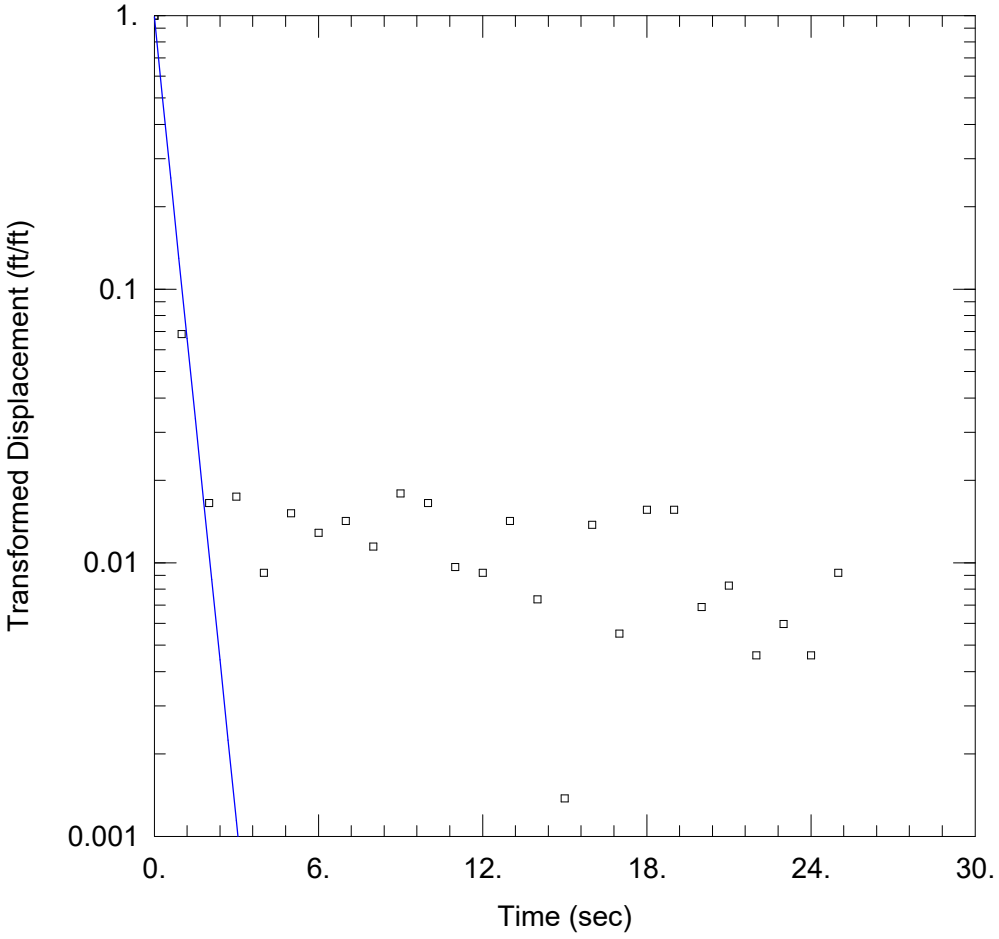
Saturated Thickness: 33.8 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-102)

Initial Displacement: 0.428 ft Static Water Column Height: 26.8 ft
Total Well Penetration Depth: 26.8 ft Screen Length: 15. ft
Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Springer-Gelhar
K = 0.04006 cm/sec Le = 24.92 ft



FALLING HEAD TEST (1)

Data Set: S:\NYDEC Slug tests\MW-103FH1 Dagan.aqt
Date: 01/09/24 Time: 14:51:08

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-103
Test Date: 12-12-23

AQUIFER DATA

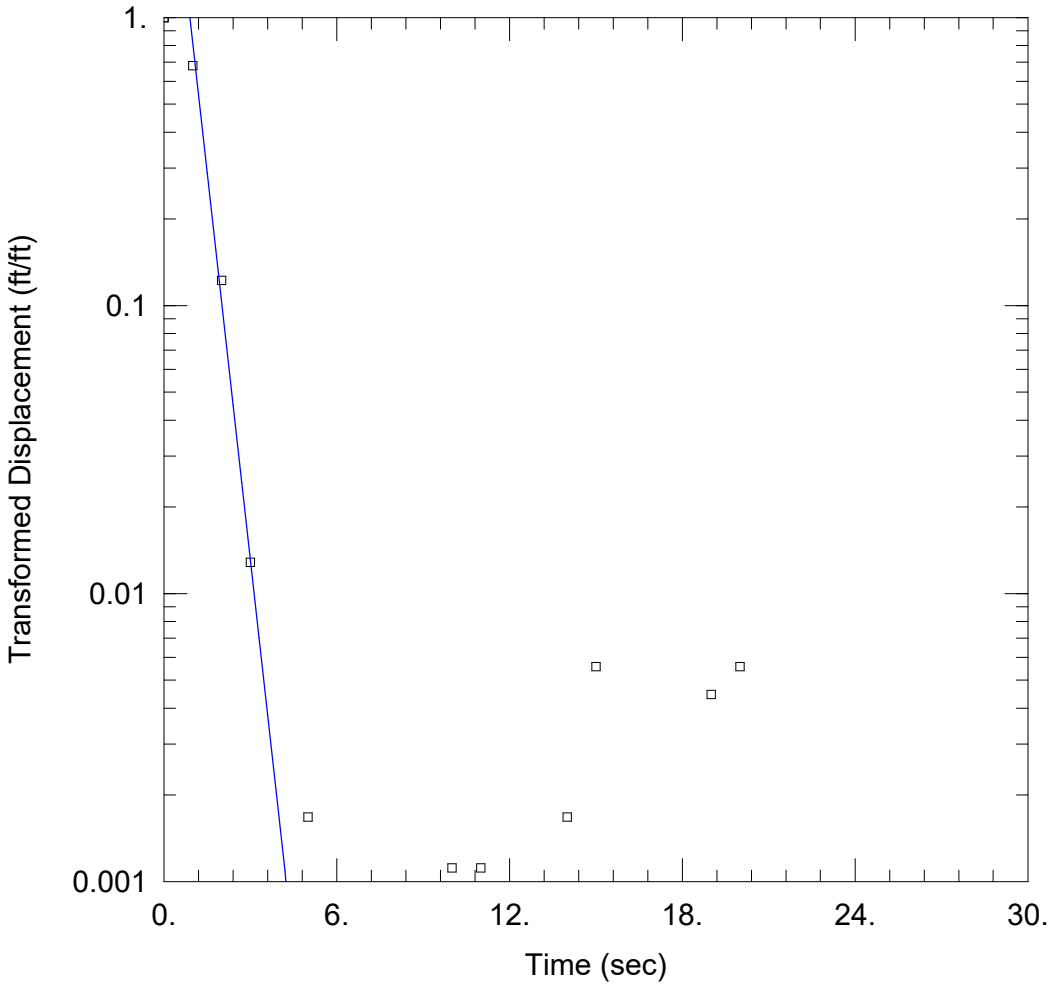
Saturated Thickness: 23.31 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-103)

Initial Displacement: 0.2143 ft
Total Well Penetration Depth: 6.31 ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.31 ft
Screen Length: 6.31 ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Dagan
K = 0.1321 cm/sec
y0 = 0.2115 ft



RISING HEAD TEST (3)

Data Set: S:\NYDEC Slug tests\MW103RH3 Dagan.aqt
Date: 01/09/24 Time: 15:09:47

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-103
Test Date: 12-12-23

AQUIFER DATA

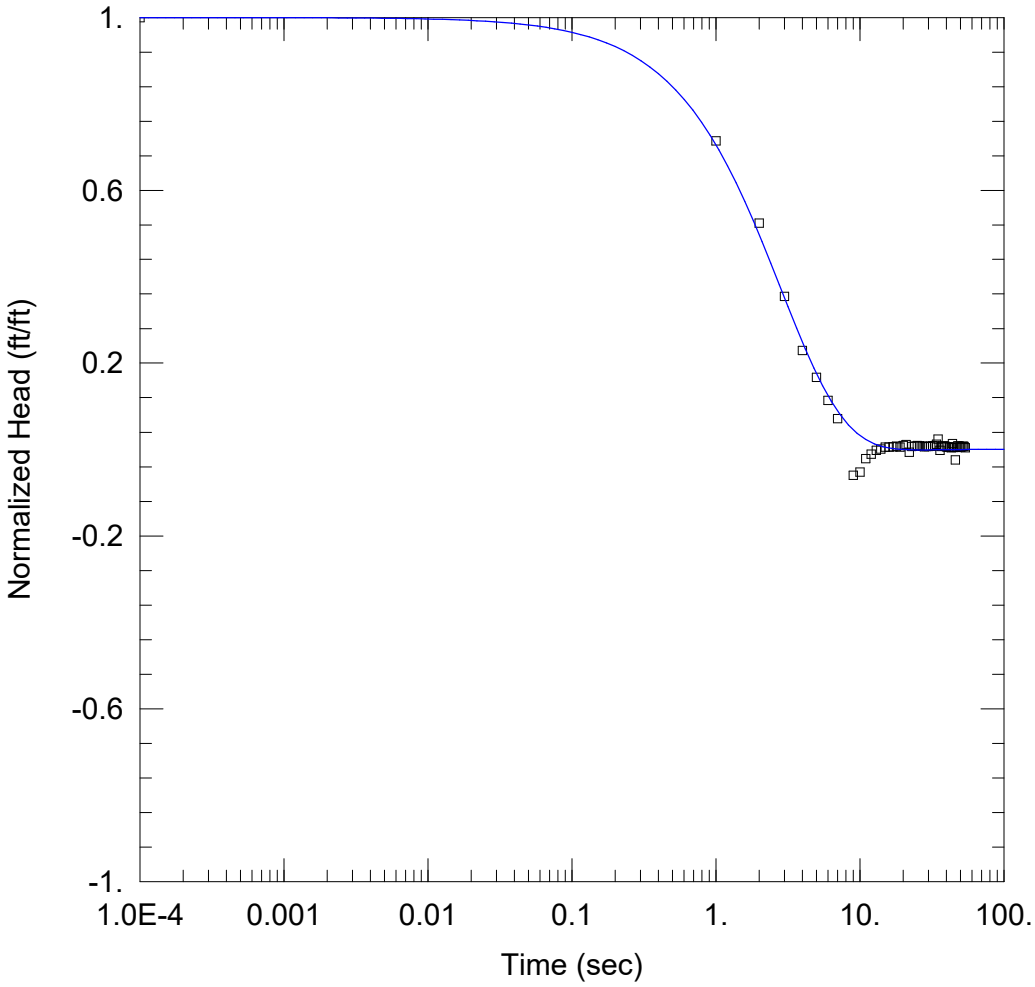
Saturated Thickness: 23.31 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.1768 ft
Total Well Penetration Depth: 6.31 ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.31 ft
Screen Length: 6.31 ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Dagan
K = 0.1211 cm/sec
y0 = 1.055 ft



FALLING HEAD TEST (3)

Data Set: S:\NYDEC Slug tests\MW-104 FH3-KGS.aqt
Date: 01/09/24 Time: 15:49:03

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-104
Test Date: 12-11-23

AQUIFER DATA

Saturated Thickness: 42.22 ft

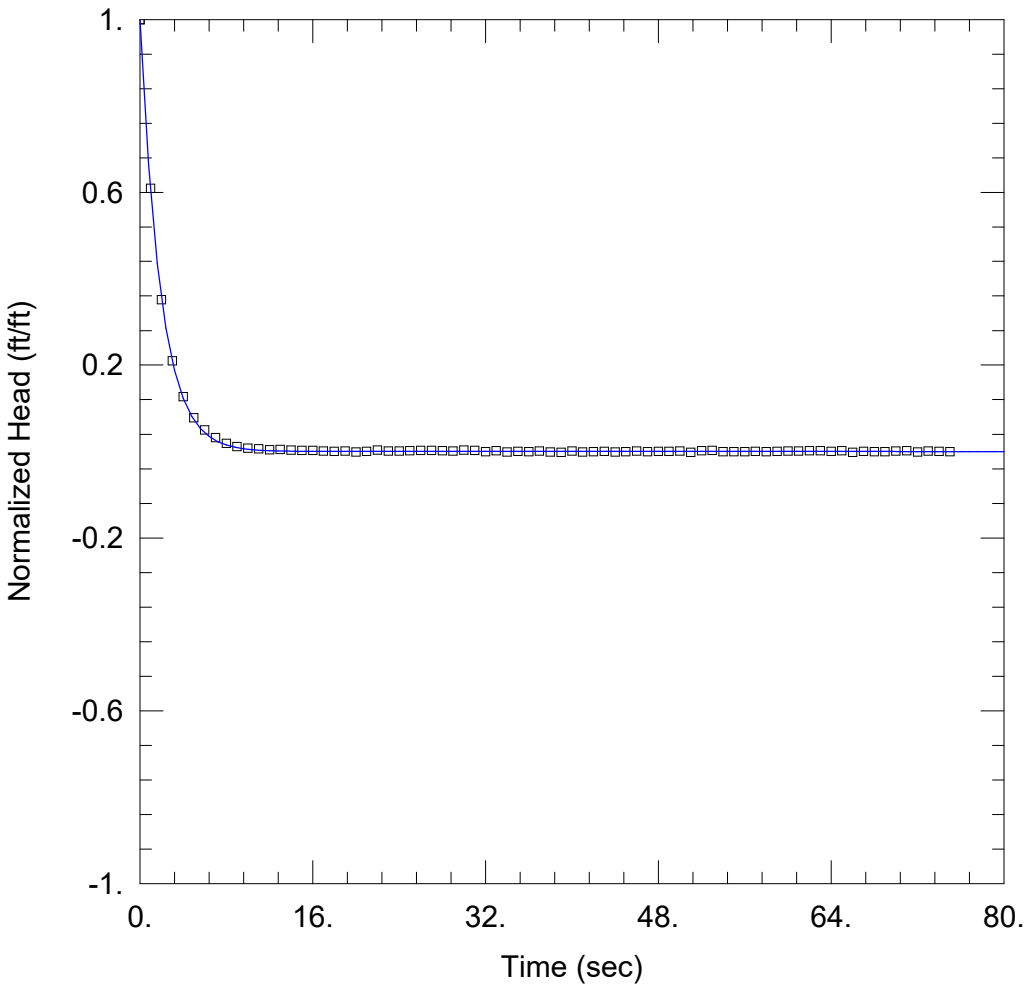
WELL DATA (MW-104)

Initial Displacement: 0.8556 ft
Total Well Penetration Depth: 30.22 ft
Casing Radius: 0.083 ft
Static Water Column Height: 30.22 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01174 cm/sec
Kz/Kr = 1.
Ss = 2.369E-12 ft^{-1}



RISING HEAD TEST (3)

Data Set: S:\NYDEC Slug tests\MW-104 RH3 SG.aqt
Date: 01/09/24 Time: 16:10:59

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-104
Test Date: 12-11-23

AQUIFER DATA

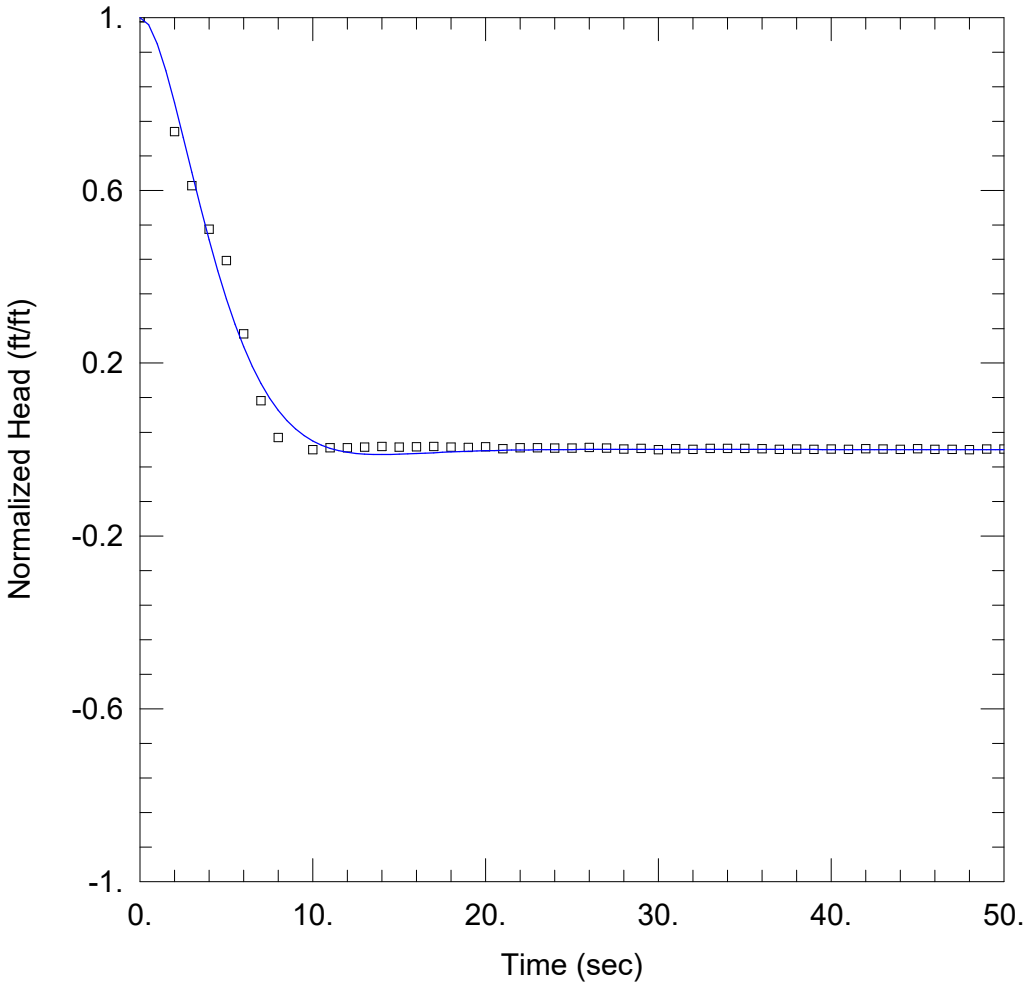
Saturated Thickness: 42.22 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-104)

Initial Displacement: 0.9236 ft
Total Well Penetration Depth: 30.22 ft
Casing Radius: 0.083 ft
Static Water Column Height: 30.22 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.01476 cm/sec
Le = 1. ft



FALLING HEAD TEST (3)

Data Set: S:\NYDEC Slug tests\MW-105 FH3 SG.aqt
Date: 01/09/24 Time: 17:40:38

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-105
Test Date: 12-11-23

AQUIFER DATA

Saturated Thickness: 57.27 ft Anisotropy Ratio (Kz/Kr): 1.

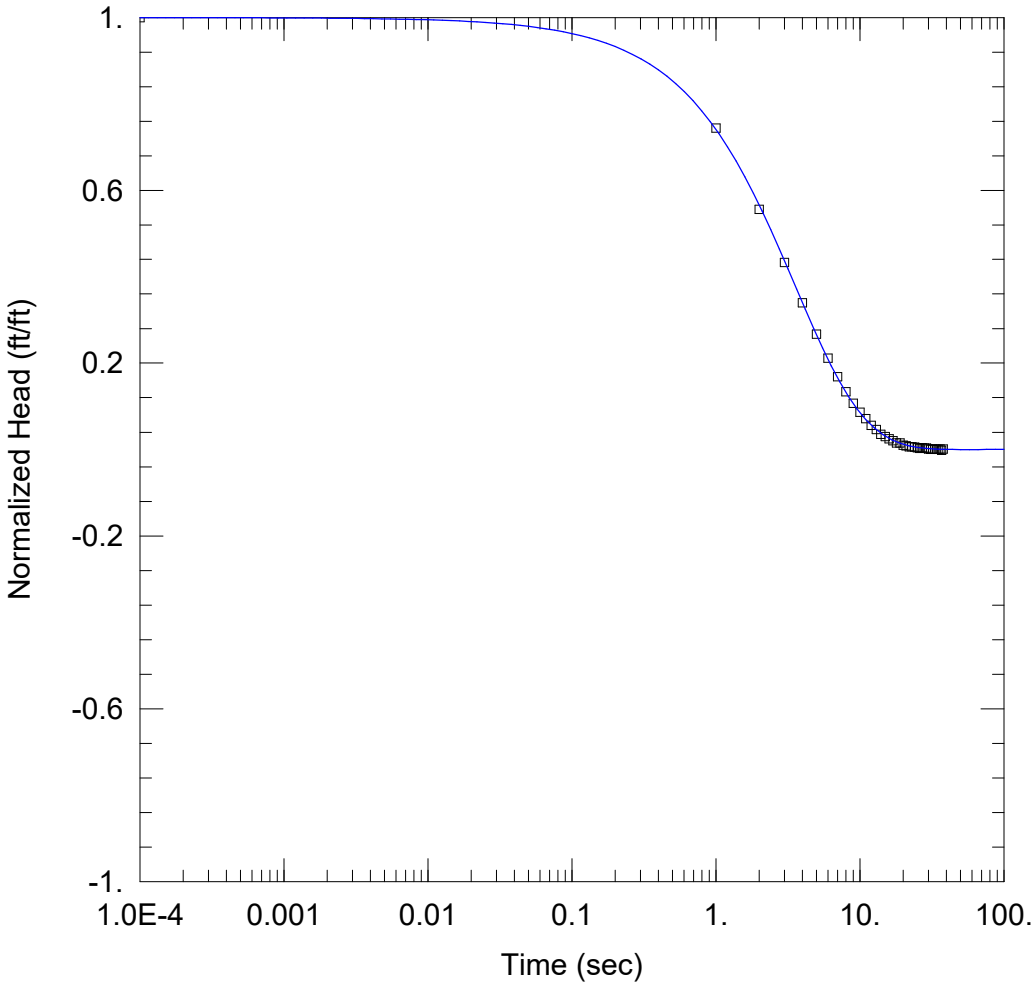
WELL DATA (MW-105)

Initial Displacement: 1.128 ft
Total Well Penetration Depth: 50.27 ft
Casing Radius: 0.083 ft
Static Water Column Height: 50.27 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Springer-Gelhar

K = 0.007271 cm/sec Le = 212.5 ft



RISING HEAD TEST (2)

Data Set: S:\NYDEC Slug tests\MW-105 FH2 KGS.aqt
Date: 01/09/24 Time: 16:55:36

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-105
Test Date: 12-11-23

AQUIFER DATA

Saturated Thickness: 57.27 ft

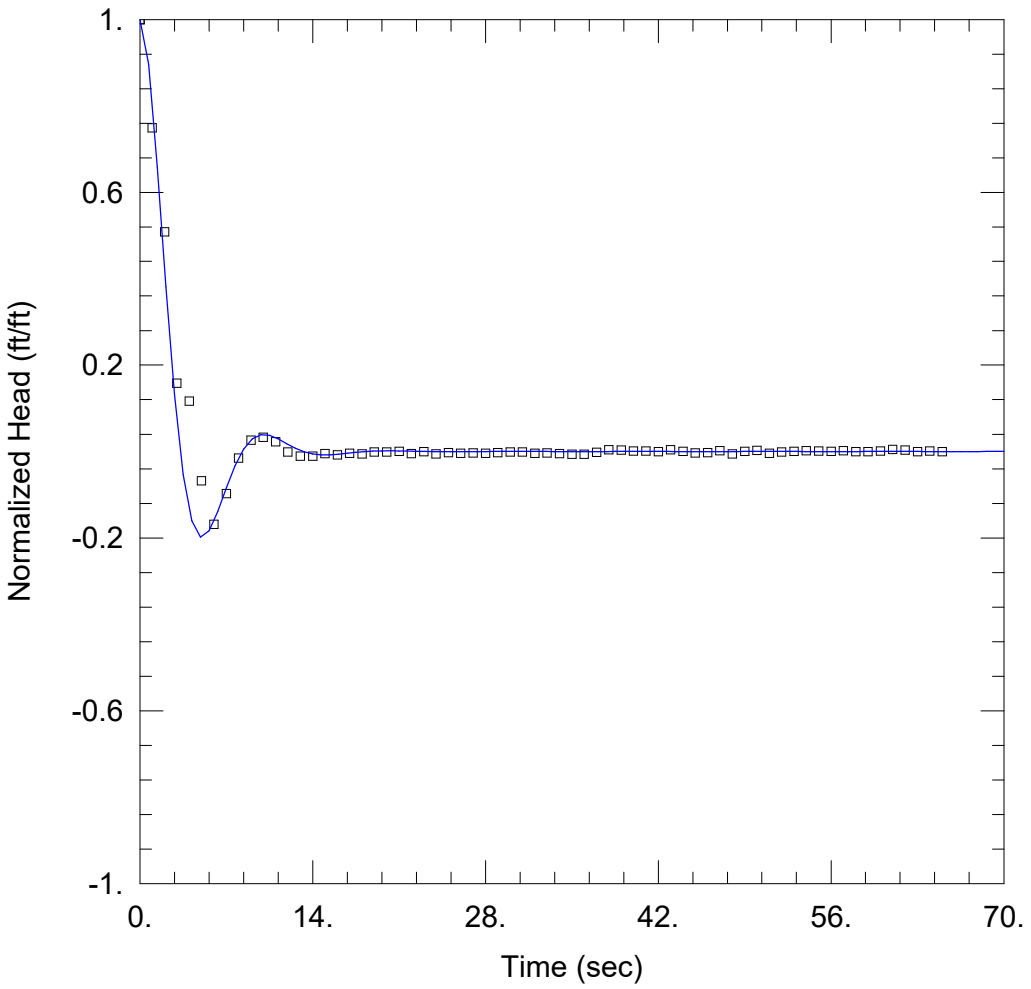
WELL DATA (MW-105)

Initial Displacement: 1.107 ft
Total Well Penetration Depth: 50.27 ft
Casing Radius: 0.099 ft
Static Water Column Height: 50.27 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01266 cm/sec
Kz/Kr = 1.
Ss = 4.932E-6 ft^{-1}



FALLING HEAD TEST (3)

Data Set: S:\NYDEC Slug tests\MW-106 FH3-SG.aqt
Date: 01/09/24 Time: 17:59:31

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-106
Test Date: 12-11-23

AQUIFER DATA

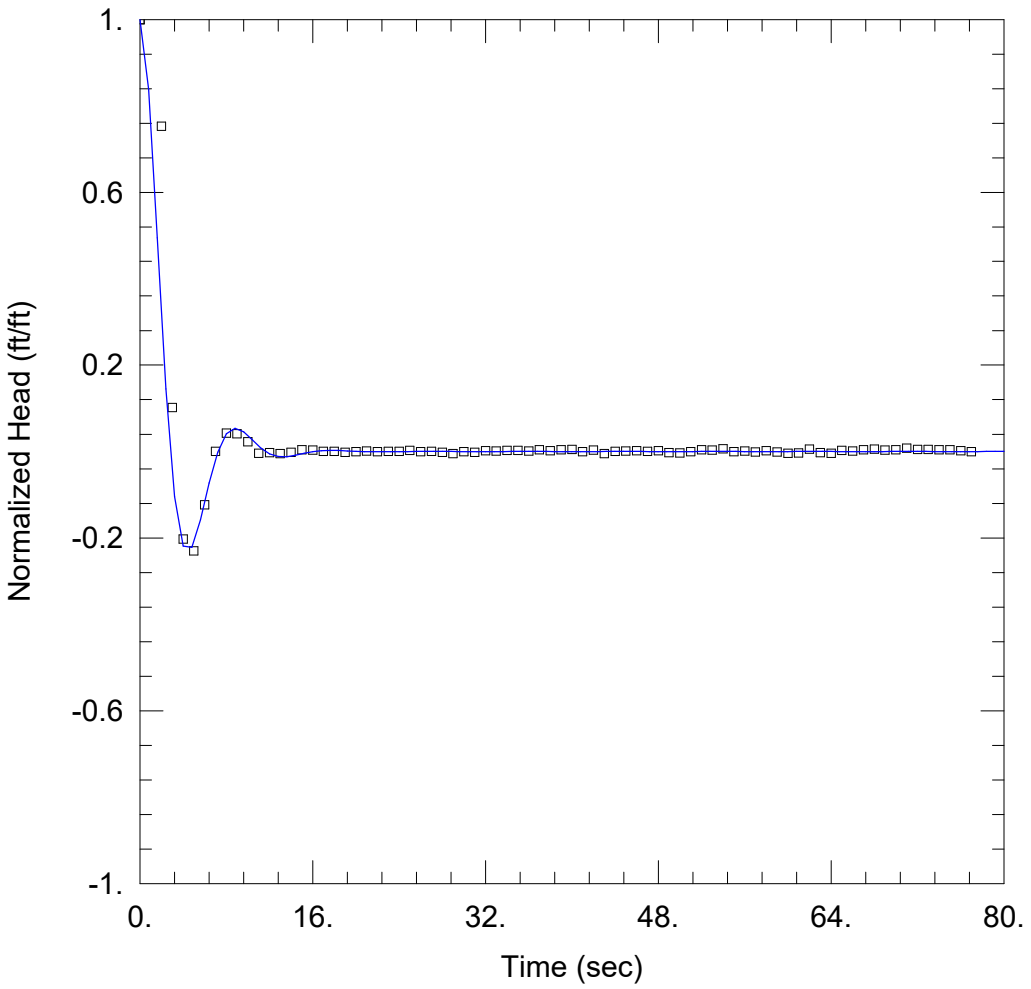
Saturated Thickness: 49.57 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-106)

Initial Displacement: 0.4215 ft
Total Well Penetration Depth: 47.57 ft
Casing Radius: 0.083 ft
Static Water Column Height: 47.57 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.02436 cm/sec
Le = 64.72 ft



RISING HEAD TEST (3)

Data Set: S:\NYDEC Slug tests\MW-106 RH3-SG.aqt
Date: 01/09/24 Time: 18:12:54

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-106
Test Date: 12-11-23

AQUIFER DATA

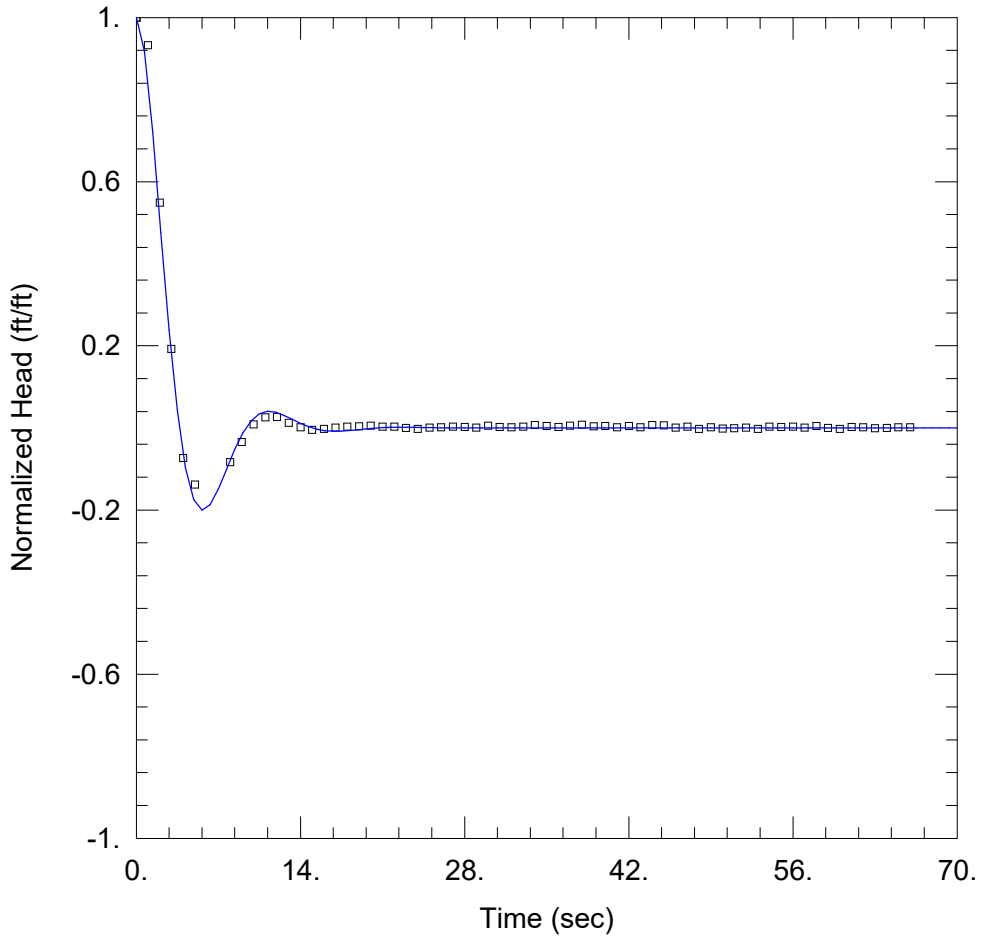
Saturated Thickness: 49.57 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-106)

Initial Displacement: 0.4266 ft
Total Well Penetration Depth: 47.57 ft
Casing Radius: 0.083 ft
Static Water Column Height: 47.57 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.02958 cm/sec
Le = 52.07 ft



FALLING HEAD TEST (2)

Data Set: S:\NYDEC Slug tests\MW-107 FH2 SG.aqt
Date: 01/10/24 Time: 08:44:24

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-107
Test Date: 12-11-23

AQUIFER DATA

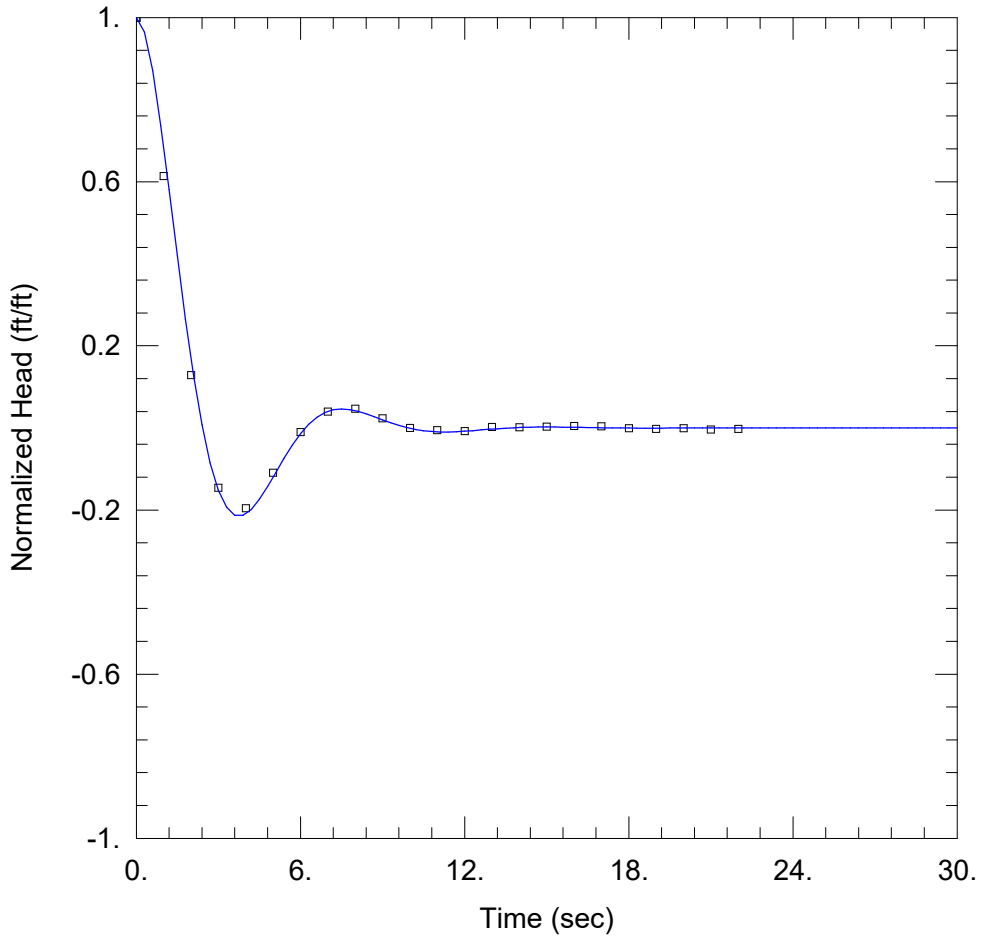
Saturated Thickness: 64.92 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-107)

Initial Displacement: 0.5194 ft
Total Well Penetration Depth: 47.92 ft
Casing Radius: 0.083 ft
Static Water Column Height: 47.92 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.02048 cm/sec
Le = 82.91 ft



RISING HEAD TEST (1)

Data Set: S:\NYDEC Slug tests\MW-107 RH1 SG.aqt
Date: 01/10/24 Time: 08:20:40

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-107
Test Date: 12-11-23

AQUIFER DATA

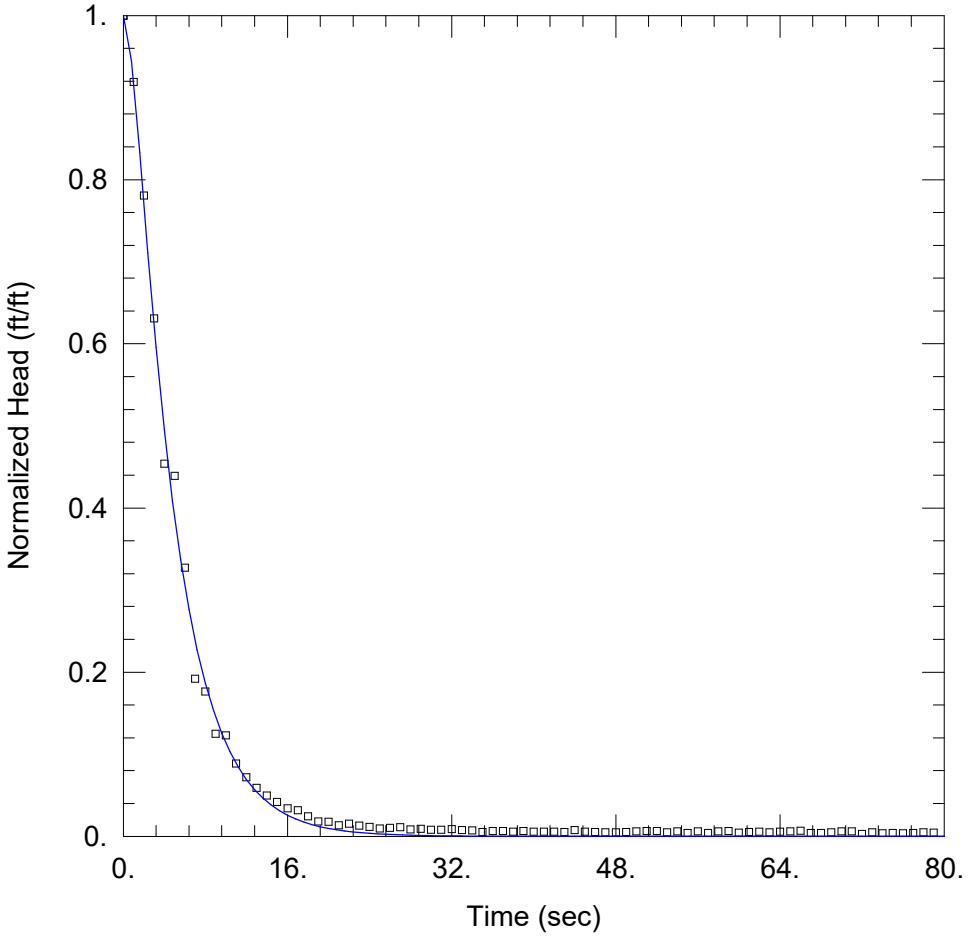
Saturated Thickness: 64.92 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-107)

Initial Displacement: 0.5819 ft
Total Well Penetration Depth: 47.92 ft
Casing Radius: 0.083 ft
Static Water Column Height: 47.92 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.03193 cm/sec
Le = 37.09 ft



FALLING HEAD TEST (1)

Data Set: S:\NYDEC Slug tests\MW108 FH1 SG.aqt
Date: 01/10/24 Time: 09:40:20

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-108
Test Date: 12-11-23

AQUIFER DATA

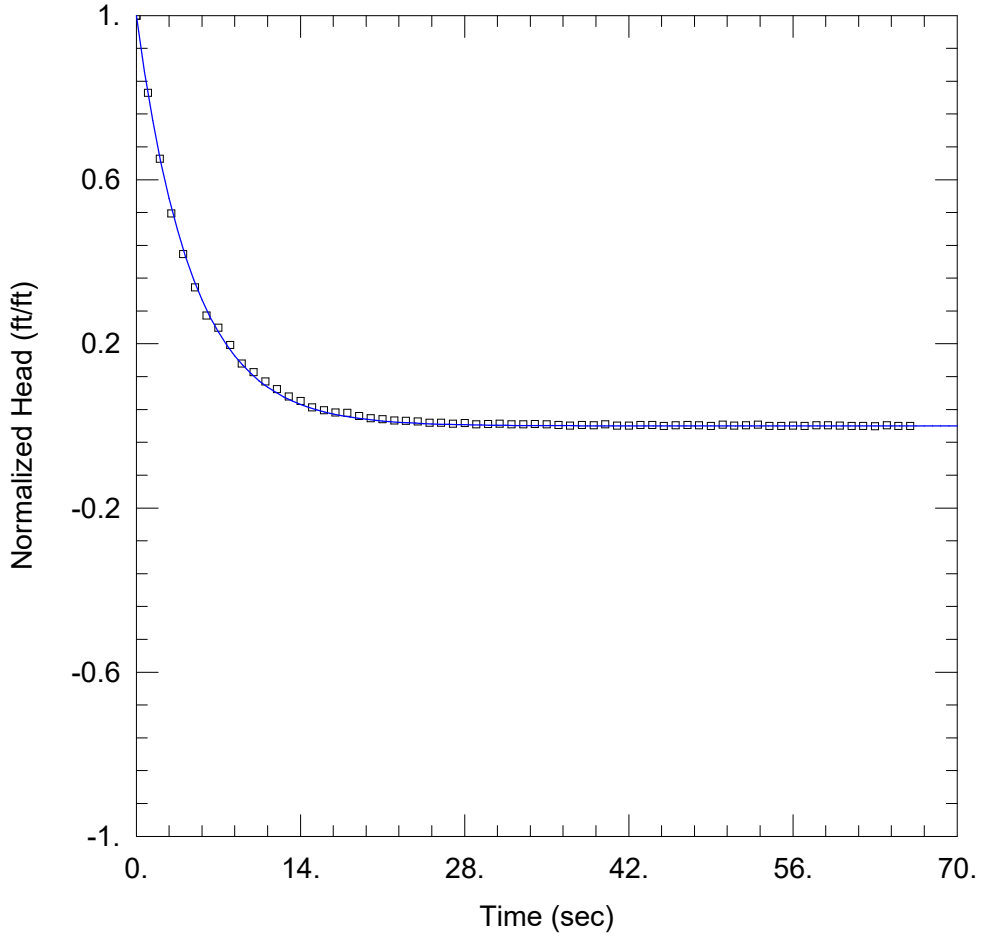
Saturated Thickness: 73.93 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-108)

Initial Displacement: 1.19 ft
Total Well Penetration Depth: 66.93 ft
Casing Radius: 0.083 ft
Static Water Column Height: 66.93 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.006192 cm/sec
Le = 137.3 ft



RISING HEAD TEST (1)

Data Set: S:\NYDEC Slug tests\MW108 RH1 SG.aqt
Date: 01/10/24 Time: 10:37:11

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-108
Test Date: 12-11-23

AQUIFER DATA

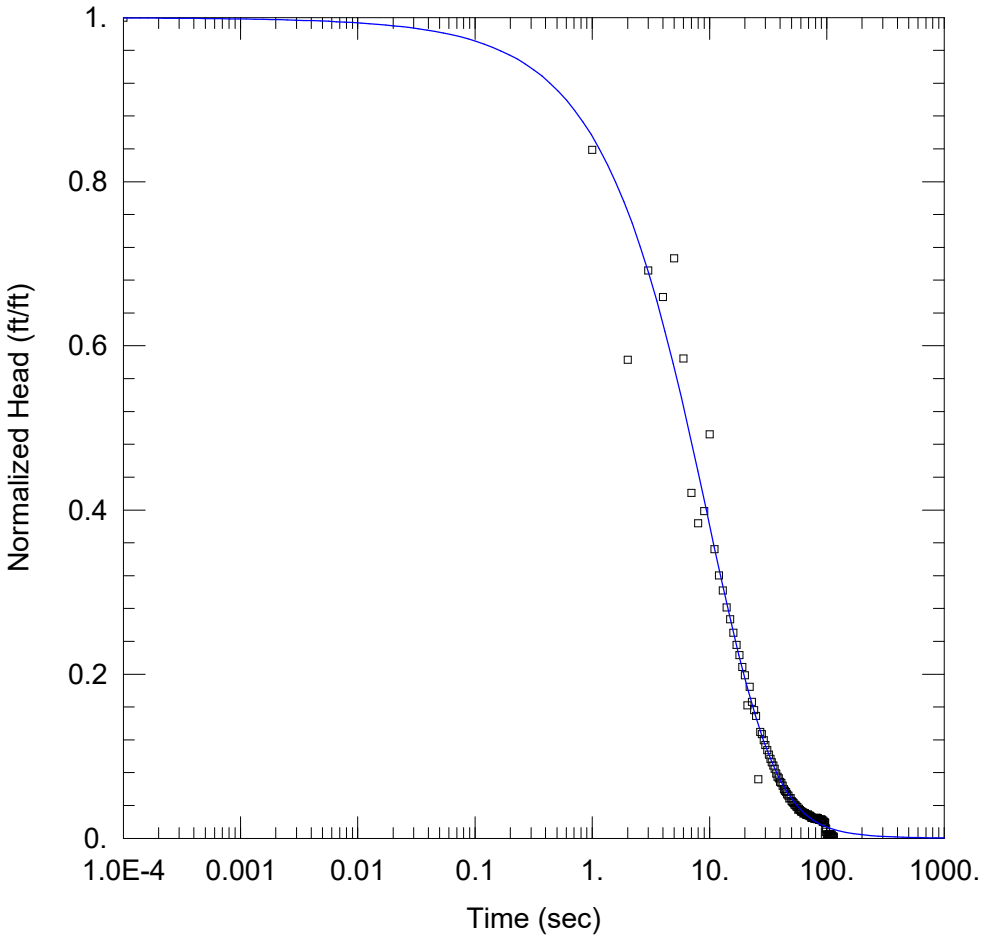
Saturated Thickness: 73.93 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-108)

Initial Displacement: 1.138 ft
Total Well Penetration Depth: 66.93 ft
Casing Radius: 0.083 ft
Static Water Column Height: 66.93 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.006645 cm/sec
Le = 0.1 ft



FALLING HEAD TEST (1)

Data Set: S:\NYDEC Slug tests\MW-109 FH1 KGS.aqt
Date: 01/10/24 Time: 11:07:44

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-109
Test Date: 12-11-23

AQUIFER DATA

Saturated Thickness: 76.43 ft

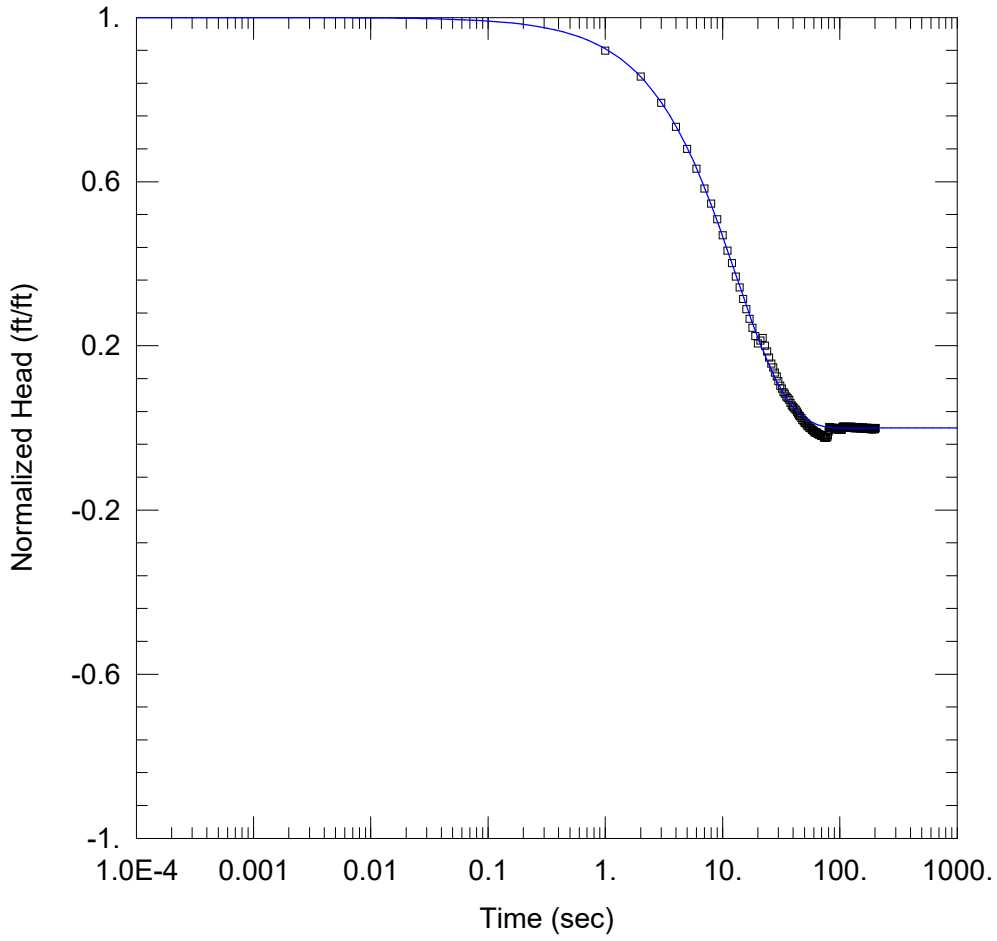
WELL DATA (MW-109)

Initial Displacement: 1.593 ft
Total Well Penetration Depth: 64.43 ft
Casing Radius: 0.083 ft
Static Water Column Height: 64.43 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.00222 cm/sec
Kz/Kr = 1.
Ss = 0.0002073 ft^{-1}



RISING HEAD TEST (1)

Data Set: S:\NYDEC Slug tests\MW-109 RH1 KGS.aqt
Date: 01/10/24 Time: 11:47:35

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-109
Test Date: 12-11-23

AQUIFER DATA

Saturated Thickness: 76.43 ft

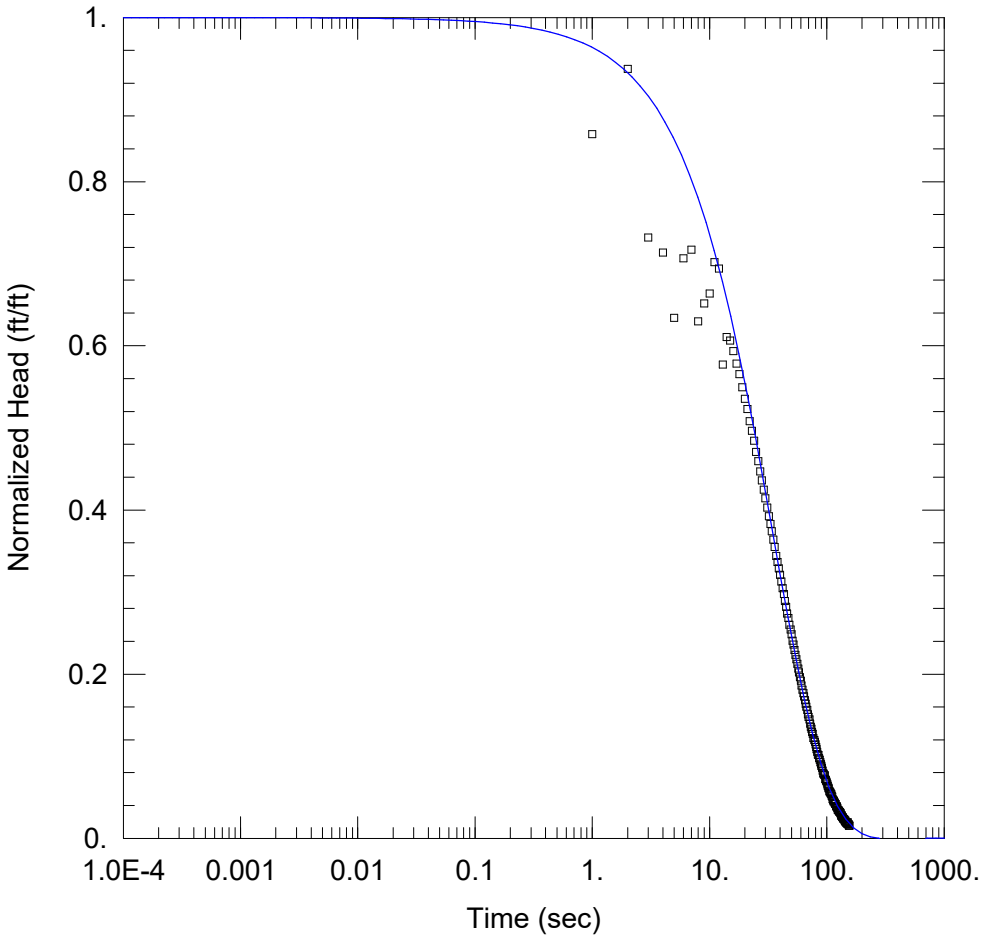
WELL DATA (MW-109)

Initial Displacement: 1.208 ft
Total Well Penetration Depth: 64.43 ft
Casing Radius: 0.083 ft
Static Water Column Height: 64.43 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.002625 cm/sec
Kz/Kr = 1.
Ss = 5.892E-8 ft^{-1}



FALLING HEAD TEST (3)

Data Set: S:\NYDEC Slug tests\MW-110FH3KGS.aqt
Date: 01/10/24 Time: 12:45:05

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-110
Test Date: 12-11-23

AQUIFER DATA

Saturated Thickness: 70.07 ft

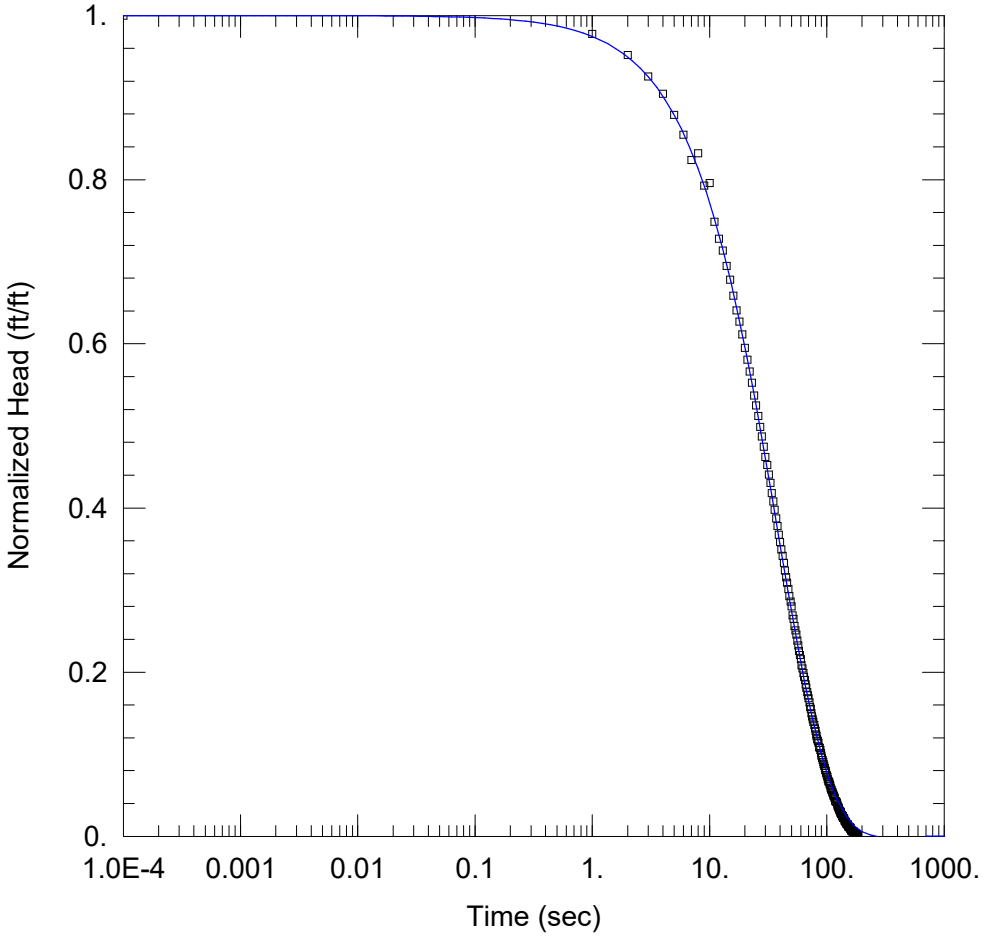
WELL DATA (MW-110)

Initial Displacement: 1.569 ft
Total Well Penetration Depth: 70.07 ft
Casing Radius: 0.083 ft
Static Water Column Height: 70.07 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001057 cm/sec
Kz/Kr = 1.
Ss = 9.902E-7 ft^{-1}



RISING HEAD TEST (3)

Data Set: S:\NYDEC Slug tests\MW-110RH3KGS.aqt
Date: 01/10/24 Time: 12:48:17

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 453202
Location: Queensbury, NY
Test Well: MW-110
Test Date: 12-11-23

AQUIFER DATA

Saturated Thickness: 70.07 ft

WELL DATA (MW-110)

Initial Displacement: 1.47 ft
Total Well Penetration Depth: 70.07 ft
Casing Radius: 0.083 ft
Static Water Column Height: 70.07 ft
Screen Length: 15. ft
Well Radius: 0.083 ft

SOLUTION

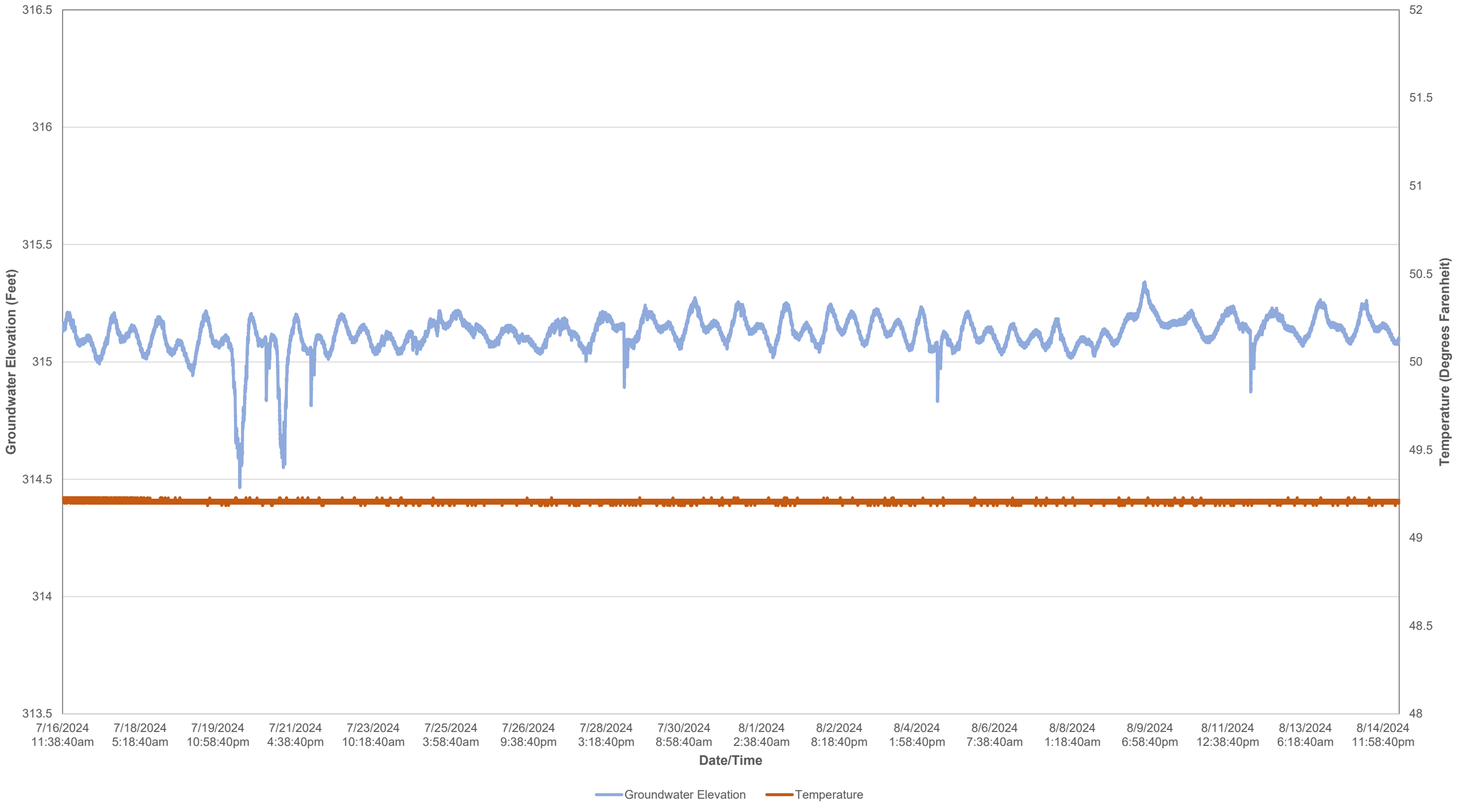
Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0009826 cm/sec
Kz/Kr = 1.
Ss = 1.424E-12 ft^{-1}

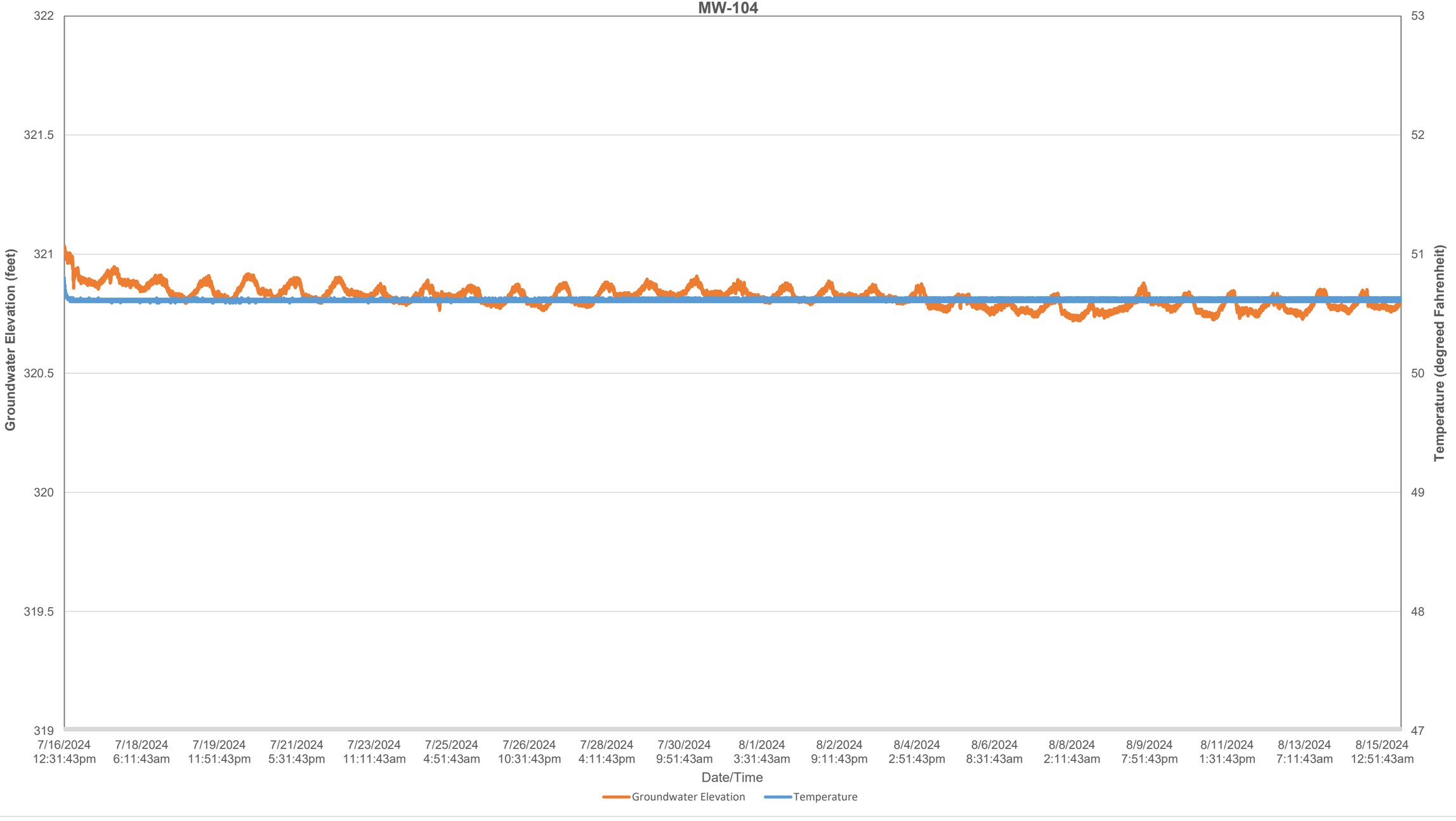
APPENDIX G

CONTINOUS GROUNDWATER MONITORIING GRAPHS

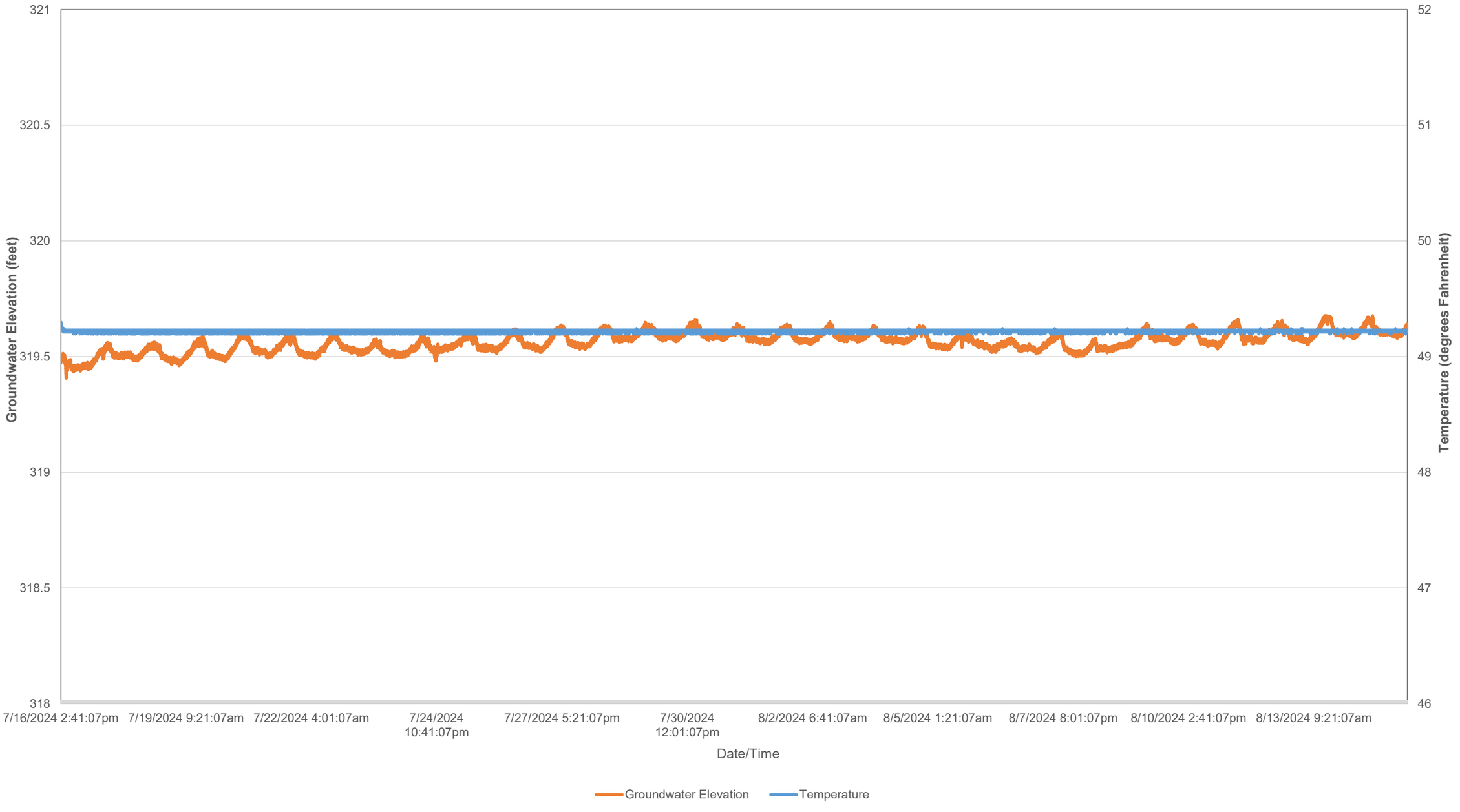
Graph 1
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Groundwater Elevation and Temperature over Time
BMW-102



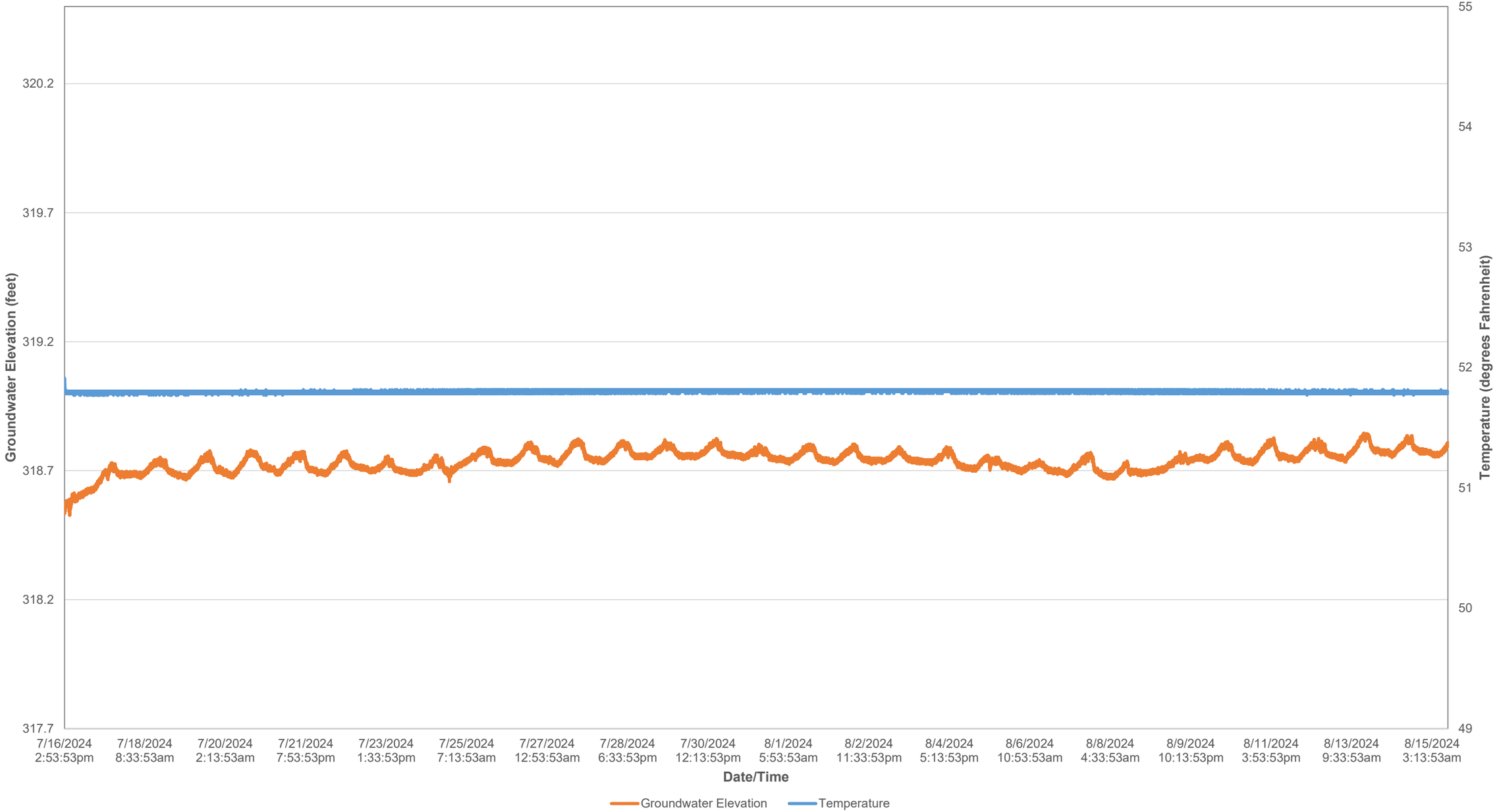
Graph 2
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Groundwater Elevation and Temperature over Time
MW-104



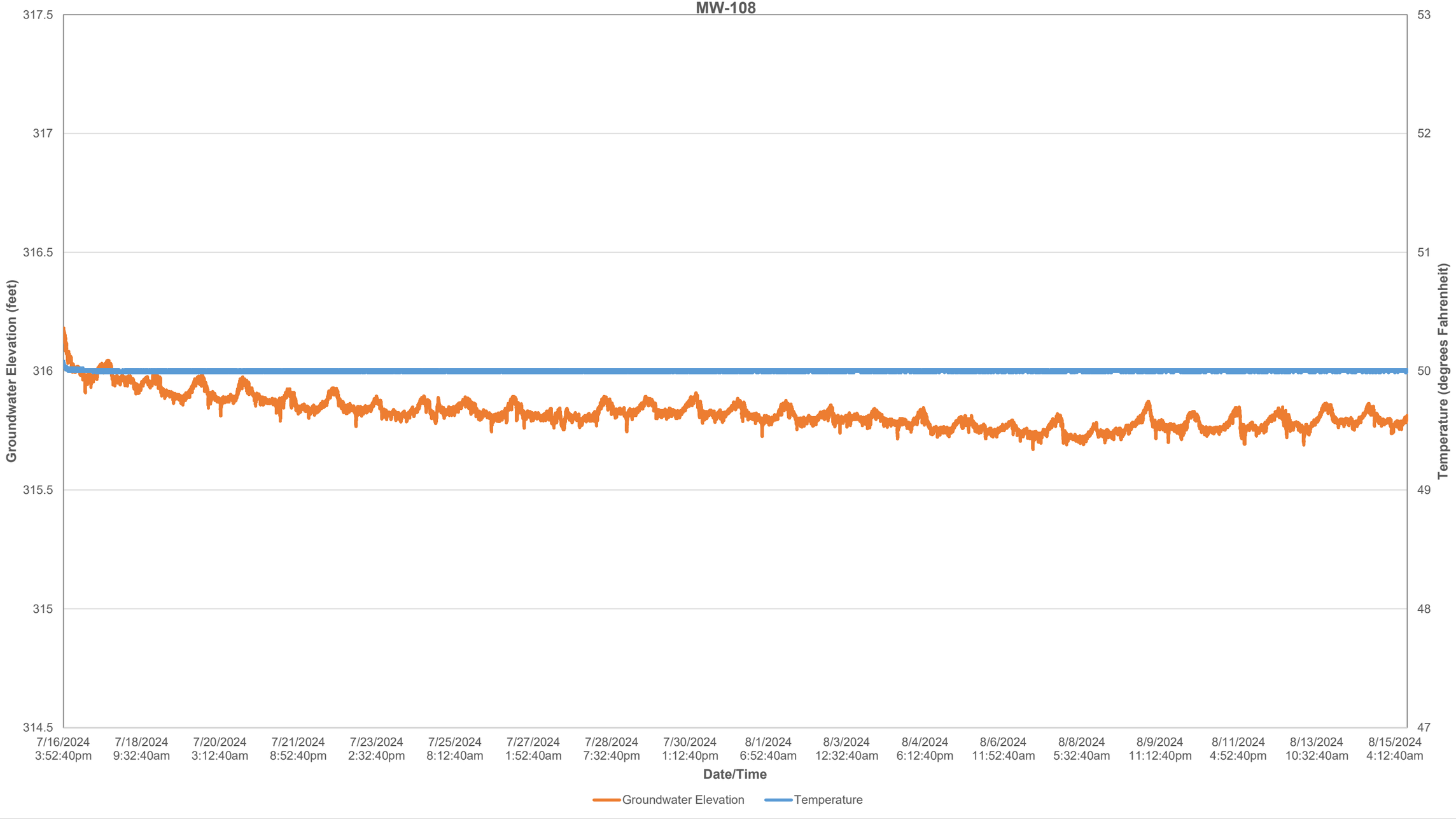
Graph 3
New York State Department of Evironmental Conservation
Queensbury Landfill - Site No. 557005
Groundwater Elevation and Temperature over Time
MW-105



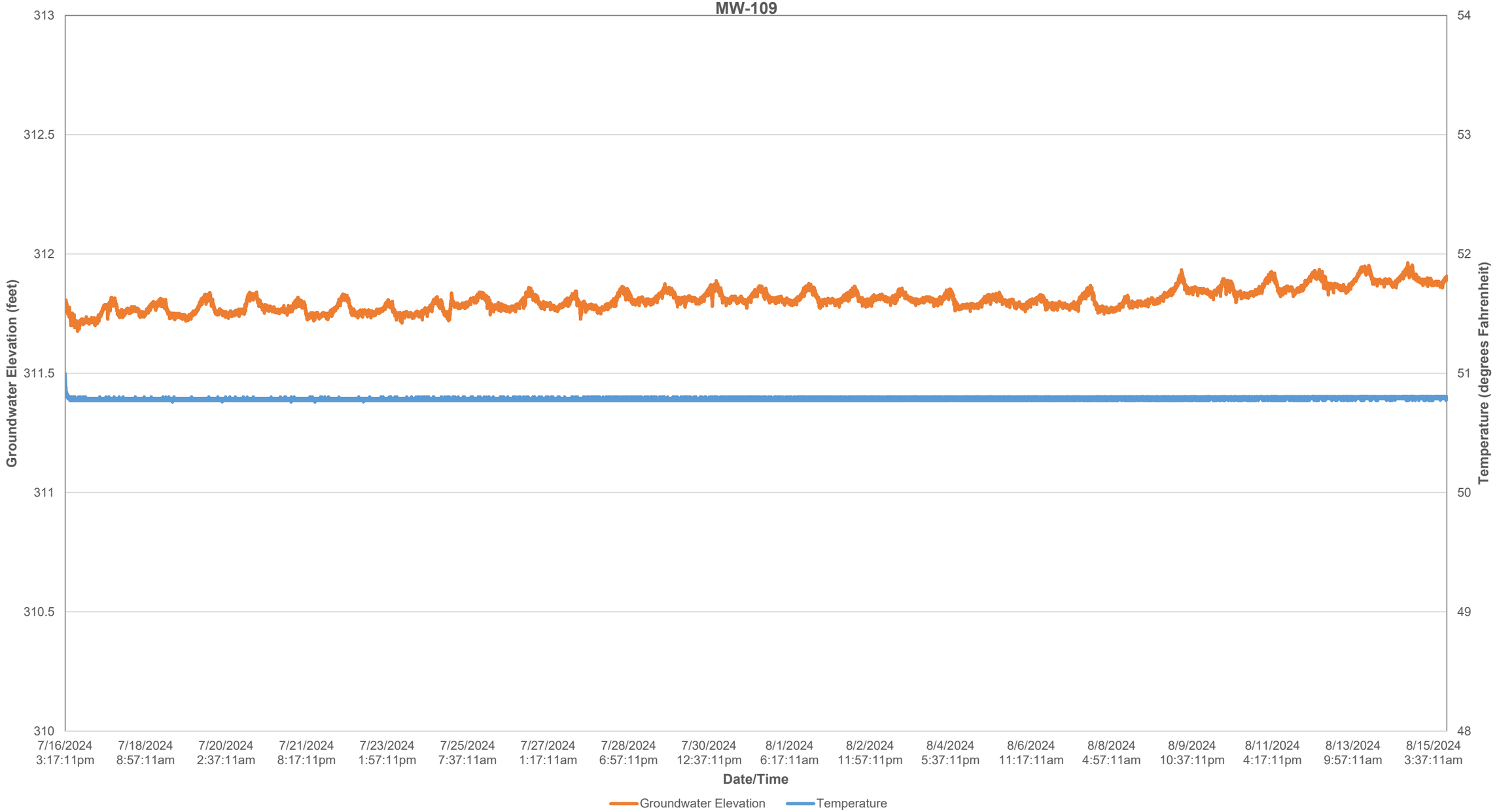
Graph 4
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Groundwater Elevation and Temperature over Time
MW-106



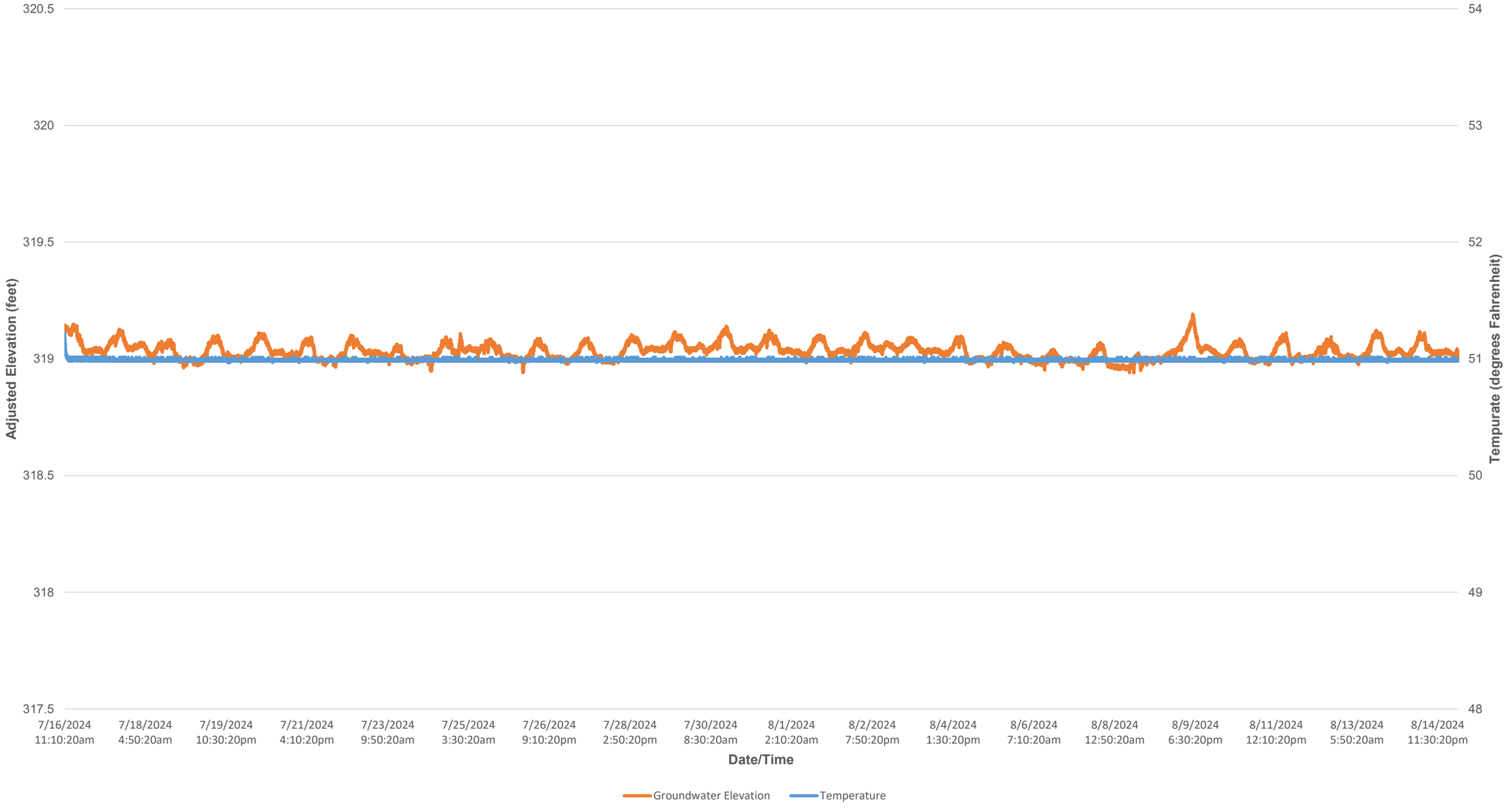
Graph 5
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Groundwater Elevation and Temperature over Time
MW-108



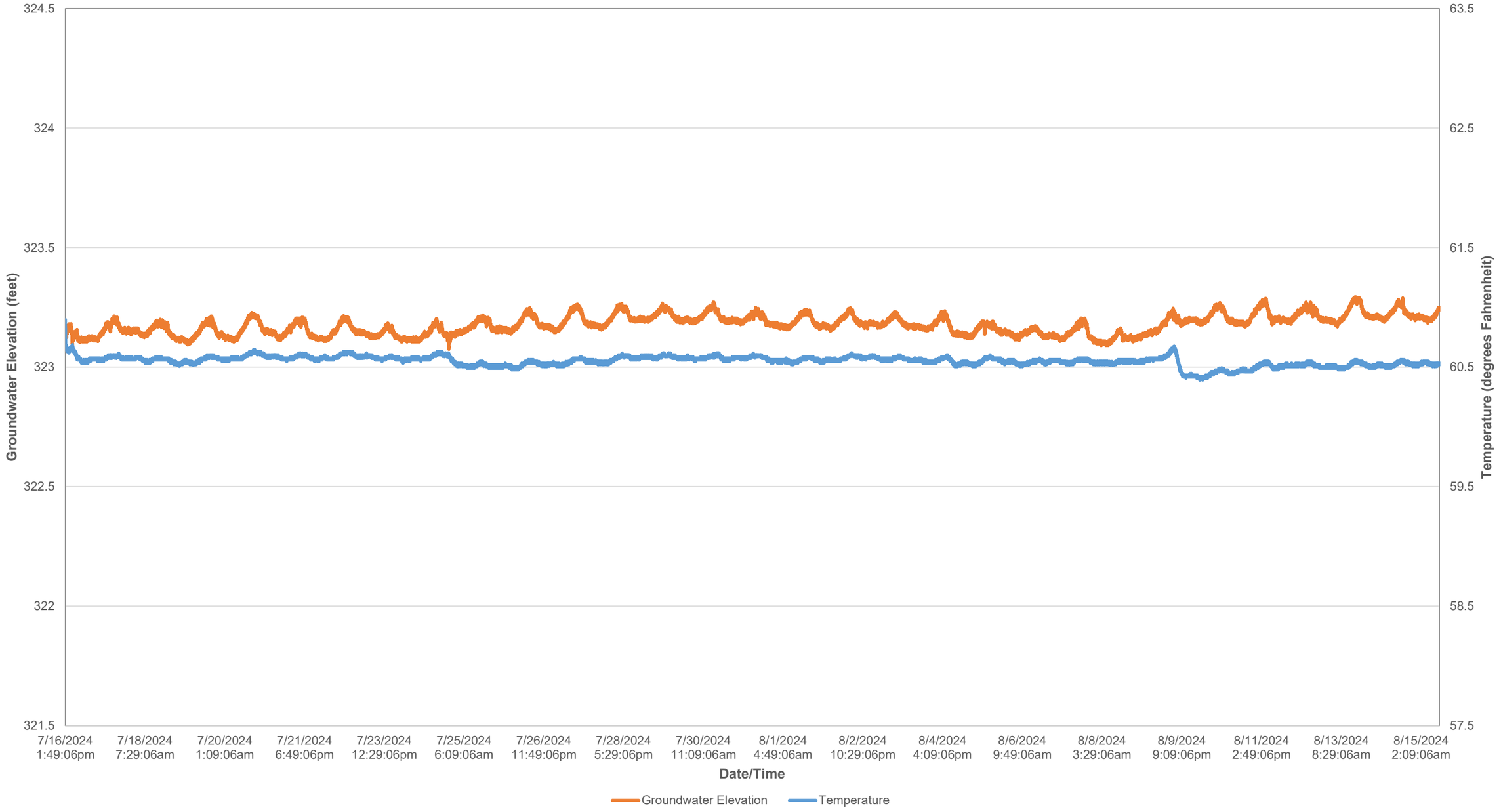
Graph 6
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Groundwater Elevation and Temperature over Time
MW-109



Graph 7
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Groundwater Elevation and Temperature over Time
MW-110



Graph 8
New York State Department of Environmental Conservation
Queensbury Landfill - Site No. 557005
Groundwater Elevation and Temperature over Time
QNSB-MW-03



APPENDIX H

SUPPLEMENTAL GROUNDWATER SAMPLE LOGS

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-01	9/30/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		11:50	12:45
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MCLN-MW-01	12:50	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer 2" HDPE

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	93.4 FT	**FINAL DTW (BMP)**	97.31 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	101.61 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	8.21 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	- GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.35 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.50 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:50	**BEGIN PURGING**									
11:55	93.40	-	18.60	3.310	7.71	1.811	143	-72	N/A	Bailer ---->
12:05	94.16	-	18.71	2.271	7.81	1.021	72	-101	N/A	
12:15	95.70	-	18.76	2.017	7.88	0.781	53	-100	N/A	
12:25	96.81	-	18.71	1.948	7.89	0.802	47	-42	N/A	
12:40	97.31	-	19.00	1.947	7.41	0.791	32	-41	N/A	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

19	**1.947**	**7.4**	**0.8**	**32**	**-41**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER Alconox

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

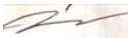
	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 3.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Collect MS/MSD + QNSB-MCLN-Dup-01 13:00

Sampler Signature: 

Print Name: Rich DePolo

Checked By:

Date: 9/30/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-05	10/1/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:50	11:05
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
MCLN-MW-05	11:05	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER Bailer 2" HDPE

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	87.55 FT	**FINAL DTW (BMP)**	90.48 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	90.48 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	N/A PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	2.93 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	- GAL	**PID WELL MOUTH**	N/A PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.48 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.50 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:50	**BEGIN PURGING**									
10:55	-	-	13.6	1295	6.81	3.32	301.93	24.8	~90	
11:05	-	-	12.5	1251	6.83	4.12	930.81	-16.0	~90	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	13	**1251**	**6.8**	**4.1**	**930.81**	**-16**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2" Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 1.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

1 well volume = .48 gal/ 1.8 L 3 well volume = 1.44 gal/ 5.45 L.

Ran dry, recharged. recharge water very turbid, MW depth may have been impacted by soft bottom

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 10/1/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		BMW-101	9/25/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:45	12:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-BMW-101	12:10	557005	1 OF 2

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	107.1 FT	**FINAL DTW (BMP)**	107.17 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	319.69 FT	**SCREEN LENGTH**	23 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	212.59 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	8.72 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	6.00 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:45	**BEGIN PURGING**									
10:50	107.10	400	12.7	155.0	9.37	1.21	31.45	4.0	~185	
10:55	107.22	200	12.8	156.6	9.33	0.97	32.00	-17.7	~185	Adjusted pump to 115
11:00	107.60	700	12.4	157.8	9.28	0.68	31.00	-32.8	~185	Adujusted pump to 110
11:05	107.59	100	13.3	157.1	9.24	0.80	31.00	-49.9	~185	Adjusted pump to 112
11:10	107.39	300	14.3	156.0	9.21	0.86	30.00	-60.5	~185	
11:15	107.27	150	13.4	158.0	9.22	0.72	31.00	-75.2	~185	
11:20	107.27	250	13.4	159.0	9.22	0.60	31.00	-86.8	~185	
11:25	107.24	250	13.3	159.0	9.20	0.50	31.00	-102.0	~185	
11:30	107.25	250	13.3	160.0	9.18	0.38	32.00	-135.0	~185	
11:35	107.21	250	13.4	160.0	9.18	0.37	32.00	-141.0	~185	
11:40	107.19	250	13.3	161.0	9.17	0.32	32.00	-160.6	~185	Swapped YSI
Stopped recording while pump stopped and YSI swapped out										

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Jake M Print Name: Jake Montgomery

Checked By: Date: 9/25/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		BMW-101	9/25/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:45	12:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-BMW-101	12:10	557005	2 OF 2

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	107.1 FT	**FINAL DTW (BMP)**	107.17 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	319.69 FT	**SCREEN LENGTH**	23 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	212.59 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	8.72 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	6.00 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING			**RESUMED RECORDING**						
11:50	107.07	600	13.1	163	9.26	2.81	41	-227	~185	
11:55	107.07	200	13.3	167	9.24	2.33	38	-301	~185	
12:00	107.07	250	13.4	169	9.24	2.25	38	-306	~185	
12:05	107.06	250	13.3	170	9.23	1.78	39	-320	~185	
12:10	107.17	250	13.4	173	9.20	1.41	41	-330	~185	
Stopped recording while pump stopped and YSI swapped out										
			13	**173**	**9.2**	**1.4**	**41**	**-330**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Jake M

Print Name: Jake Montgomery

Checked By:

Date: 9/25/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		BMW-102	9/29/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:00	14:45
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-BMW-102	14:45	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	47.38 FT	**FINAL DTW (BMP)**	47.91 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	137 FT	**SCREEN LENGTH**	50 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	89.62 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.67 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	0.016	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
14:00	47.38	400	11.7	954	7.06	0.99	213	-133.7	~134	Pump at 48
14:05	47.38	350	11.9	973	7.08	0.83	128	-137.7	~134	
14:10	47.66	350	12.0	979	7.11	0.65	97	-141.2	~134	
14:15	47.81	300	12.1	979	7.12	0.43	80	-144.9	~134	
14:20	47.88	300	12.0	978	7.12	0.32	65	-147	~134	
14:25	47.93	300	12.3	976	7.12	0.28	51	-149	~134	
14:30	47.94	300	12.4	975	7.12	0.23	41	-150	~134	
14:35	47.92	250	13.0	974	7.12	0.19	35	-153	~134	
14:40	47.91	250	12.9	974	7.12	0.16	31	-154	~134	
14:45	47.91	250	12.9	972	7.11	0.12	28	-156	~134	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**13**	**972**	**7.1**	**0.1**	**28**	**-156**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

BMW-102 pump at 48 - 400 ml/min

Sampler Signature: Print Name: Zachary LaMountain

Checked By: Date: 9/29/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-1	10/1/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:50	15:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-1	15:35	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP		X	
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	161.15 FT	**FINAL DTW (BMP)**	161.16 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	181.09 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	19.94 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.82 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.50 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
14:50	161.16	450	16.3	958	6.96	4.90	11	239	~178	pump at 206
14:55	161.16	350	15.2	953	6.99	4.43	6	238	~178	pump from 206 to 205
15:00	161.16	350	15.3	951	7.00	4.33	5	237	~178	pump from 205 to 204
15:05	161.16	200	15.7	951	7.01	4.28	5	236	~178	
15:10	161.16	150	16.2	951	7.01	4.26	5	234	~178	pump from 204 to 205
15:15	161.16	250	16.3	952	7.01	4.24	6	232	~178	
15:20	161.16	200	16.3	952	7.02	4.23	8	228	~178	
15:25	161.16	200	16.4	952	7.02	4.21	9	225	~178	
15:30	161.16	200	16.4	952	7.02	4.20	10	224	~178	pump from 205 to 207
15:35	161.16	250	16.4	952	7.02	4.19	12	221	~178	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

16	**952**	**7.0**	**4.2**	**12**	**221**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 1.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 10/1/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-2	10/1/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		12:10	12:55
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-2	12:00	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	117.4 FT	**FINAL DTW (BMP)**	117.3 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	182.39 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	64.99 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.66 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.50 GAL	**DRAWDOWN/ TOTAL PURGED**	-0.001	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
12:10	117.40	350	14.9	1058	11.2	1.59	113	204	~179	pump from 95 to 94
12:15	117.44	250	15.2	1050	6.6	1.37	133	207	~179	
12:20	117.37	300	14.2	1026	6.63	1.92	70	207	~179	
12:25	117.36	250	15.0	1012	6.65	2.40	34	210	~179	
12:30	117.36	250	15.1	1011	6.66	2.48	21	211	~179	
12:35	117.36	250	15.3	1010	6.65	2.32	14	211	~179	
12:40	117.36	250	15.3	1019	6.64	2.14	10	211	~179	
12:45	117.36	250	15.4	1025	6.63	1.87	7	210	~179	
12:50	117.33	250	15.5	1027	6.63	1.74	6	210	~179	
12:55	117.30	250	15.4	1028	6.62	1.56	5	208	~179	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1028**	**6.6**	**1.6**	**5**	**208**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED [ ] YES [X] NO

NO-PURGE METHOD UTILIZED [ ] YES [X] NO

NUMBER OF GALLONS GENERATED: 3.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 10/1/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-3	9/30/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:00	15:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-3	15:35	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER 2 " Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP		X	
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	154.88 FT	**FINAL DTW (BMP)**	154.88 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	169.8 FT	**SCREEN LENGTH**	22 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	14.92 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.61 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	7.50 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:00	**BEGIN PURGING**									
14:20	154.88	-	17.7	1388	6.65	2.70	30.84	29.9		
14:55	Swapped from bailer to geopump									
15:20	154.88	450	18.5	1398	6.62	3.19	5.46	16.7		
15:25	154.88	400	19.5	1420	6.70	3.35	9.04	11.0		
15:30	154.88	400	19.9	1433	6.64	2.90	5.57	20.5		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

20	**1433**	**6.6**	**2.4**	**5.57**	**20.5**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2 " Bailer
- [X] OTHER Geosub

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER Alconox

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 7.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Swapped from bailer to geopump, purged 5 gal from bailer, 2.5 from geopump

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/30/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-4	9/30/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:15	11:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-4	11:15	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER 2 " Bailer

MEASUREMENT POINT (MP) [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP		X	
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	6.15 FT	**FINAL DTW (BMP)**	6.15 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	15.55 FT	**SCREEN LENGTH**	19 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	9.4 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.39 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.50 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:15	**BEGIN PURGING**									
10:35	6.15	-	13.6	447.7	7.23	3.46	13.99	105.6		
10:55	6.15	-	11.9	418.7	7.25	3.52	7.67	41.0		Removed fallen bailer
11:15	6.15	-	14.2	423.2	7.35	2.90	6.76	11.1		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	14	**423.2**	**7.4**	**2.9**	**6.76**	**11.1**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] OTHER 2 " Bailer
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER Alconox

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 4.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/30/2025

SKETCH/NOTES

1 well volume = 1.53 gal/ 195.84 oz
3 well volume = 4.59 gal/ 597.52 oz
Removed dedicated bailer
Left new dedicated bailer

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-5	10/1/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		9:45	10:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-5	10:30	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER _____

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER _____

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	93.64 FT	**FINAL DTW (BMP)**	93.64 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	112 FT	**SCREEN LENGTH**	20 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	18.36 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.75 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.00 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
9:45	93.64	1000	11.2	941	7.07	6.00	8	255	~109	pump at 91 to 87
9:50	93.64	300	11.7	944	7.05	5.16	4	252	~109	
9:55	93.64	350	11.7	949	7.07	5.01	3	248	~109	
10:00	93.64	300	11.9	949	7.08	4.96	2	246	~109	pump at 87 to 86
10:05	93.64	150	12.1	950	7.08	4.95	2	244	~109	pump at 86 to 88
10:10	93.64	300	12.1	952	7.09	4.89	2	242	~109	
10:15	93.64	300	12.1	952	7.09	4.83	2	240	~109	
10:20	93.64	300	12.3	953	7.10	4.79	2	238	~109	
10:25	93.64	300	12.3	954	7.10	4.76	2	237	~109	
10:30	93.64	300	12.3	954	7.10	4.75	2	236	~109	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**12**	**954**	**7.1**	**4.8**	**2**	**236**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 4

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Flow rate needed to be adjusted after 10:00.

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 10/1/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-101	9/26/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:30	12:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-101	11:25	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	74.03 FT	**FINAL DTW (BMP)**	74.04 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	83 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	8.97 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.37 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.50 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:30	**BEGIN PURGING**									
10:40	74.03	400	12.6	1117	6.59	0.72	940	210.0	~80	start at 72 went to 71
10:45	74.05	150	13.7	1119	6.59	0.64	440	210.0	~80	changed to 72 on pump
10:50	74.05	400	13.4	1122	6.59	0.38	240	205.0	~80	
10:55	74.05	400	14.3	1125	6.58	0.30	125	198.0	~80	
11:00	74.05	300	14.3	1126	6.58	0.19	93	189.6	~80	
11:05	74.05	300	14.3	1126	6.58	0.15	78	181.4	~80	
11:10	74.05	300	14.3	1126	6.58	0.14	67	173.5	~80	
11:15	74.04	350	14.5	1129	6.58	0.15	55	164.0	~80	
11:20	74.04	300	14.5	1130	6.58	0.10	53	156.7	~80	
11:25	74.04	300	14.7	1130	6.58	0.10	52	150.0	~80	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

15	**1130**	**6.6**	**0.1**	**52**	**150**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 5.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 9/26/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-102	9/25/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		8:00	9:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-102	8:55	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	106.38 FT	**FINAL DTW (BMP)**	106.38 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	130 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	23.62 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.97 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.50 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
8:10	106.35	250	12.9	1159	6.30	0.97	120	126.0	~127	
8:15	106.35	250	13.1	1160	6.32	0.85	168	131.0	~127	
8:20	106.36	250	13.7	1164	6.36	0.74	131	134.5	~127	
8:25	106.35	200	14.4	1165	6.39	0.80	84	131.0	~127	
8:30	106.36	150	14.5	1165	6.42	0.73	70	127.8	~127	Turning up pump
8:35	106.35	350	13.9	1162	6.44	0.56	53	122.0	~127	Pump to 111
8:40	106.35	250	14.5	1163	6.46	0.56	40	114.7	~127	
8:45	106.36	200	14.8	1163	6.47	0.47	30	108.5	~127	
8:50	106.35	200	15.3	1167	6.49	0.47	25	105.0	~127	Pump to 112
8:55	106.35	250	14.6	1165	6.50	0.38	20	102.0	~127	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1165**	**6.5**	**0.4**	**20**	**102**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 9/25/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-103	9/26/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:00	14:45
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-103	14:45	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	46.81 FT	**FINAL DTW (BMP)**	46.81 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	50 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	3.19 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.13 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.50 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
14:00	46.81	350	13.6	621	6.91	1.84	83	214.3	~47	
14:05	46.82	400	14.3	622	6.53	1.86	62	212.3	~47	
14:10	46.81	350	14.4	627	6.95	1.91	35	209.0	~47	
14:15	46.81	350	14.5	628	6.97	1.95	31	205.9	~47	
14:20	46.81	300	14.4	628	6.98	2.02	28	204.7	~47	
14:25	46.81	300	14.0	627	6.99	2.06	25	206.6	~47	
14:30	46.81	350	14.0	627	7.00	2.11	21	207.5	~47	
14:35	46.81	350	14.5	630	7.00	2.14	20	203.9	~47	
14:40	46.81	300	14.6	634	7.01	2.19	22	201.2	~47	
14:45	46.81	250	14.7	634	7.02	2.20	18	200.0	~47	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**634**	**7.0**	**2.2**	**18**	**200**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED [ ] YES [X] NO

NO-PURGE METHOD UTILIZED [ ] YES [X] NO

NUMBER OF GALLONS GENERATED: 5.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 9/26/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-104	9/30/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:40	11:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-104	11:25	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	44.8 FT	**FINAL DTW (BMP)**	44.76 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	74.09 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	29.29 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.20 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.00 GAL	**DRAWDOWN/ TOTAL PURGED**	-0.001	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
10:40	44.80	600	11.9	1373	6.98	0.69	317	-19.0	~71	pump 47 to 44
10:45	44.75	300	12.2	1360	6.98	0.29	261	-25.4	~71	
10:50	44.71	250	12.7	1362	6.98	0.23	245	-31.7	~71	
10:55	44.77	250	13.6	1363	6.99	0.16	185	-40.0	~71	
11:00	44.76	250	14.1	1370	6.98	0.14	145	-46.0	~71	
11:05	44.77	250	15.1	1380	6.98	0.13	85	-55.0	~71	
11:10	44.76	250	15.8	1391	6.97	0.12	53	-57.0	~71	
11:15	44.76	250	15.3	1389	6.96	0.10	35	-56.0	~71	
11:20	44.77	250	15.3	1390	6.95	0.08	26	-56.0	~71	
11:25	44.76	200	15.4	1393	6.95	0.07	22	-57.0	~71	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			15	**1393**	**7.0**	**0.1**	**22**	**-57**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [X] OTHER Geosub

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER Alconox

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 3

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 9/30/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-105	9/30/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		8:45	9:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-105	9:30	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	39.72 FT	**FINAL DTW (BMP)**	39.74 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	89 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	49.28 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.02 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	9.50 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
8:45	39.72		10.3	1311	7.03	0.21	167.0	-71.6	~86	Pump set to 43
8:50	39.77		10.7	1308	7.04	0.13	61.0	-79.9	~86	
8:55	39.80		10.7	1315	7.05	0.08	56.0	-83.6	~86	
9:00	39.77		10.6	1313	7.05	0.06	20.0	-85.6	~86	
9:05	39.77		10.7	1313	7.05	0.03	13.5	-88.1	~86	
9:10	39.76		10.7	1313	7.05	0.01	9.0	-89.3	~86	
9:15	39.73		11.2	1317	7.05	0.02	8.0	-91.1	~86	
9:20	39.73		11.4	1318	7.04	0.01	5.0	-92.1	~86	
9:25	39.73		11.3	1317	7.04	0.00	4.0	-92.9	~86	
9:30	39.74		11.4	1317	7.04	-0.01	4.0	-93.5	~86	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**11**	**1317**	**7.0**	**0.0**	**4**	**-93.5**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 9.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Zachary LaMountain

Checked By: Date: 9/30/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-105S	9/29/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:30	15:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-105S	15:15	557005	1 OF 1

WELL DIAMETER (INCHES) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER _____

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER 1 " Bailer

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	40.25 FT	**FINAL DTW (BMP)**	40.26 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	43.4 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	3.15 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.13 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	0.39 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:30	**BEGIN PURGING**									
14:45	40.26		17.4	1334	7.16	9.53	566.38	157.1	~42	
15:00	40.26		17.2	1392	7.14	9.43	364.08	154.3	~42	
15:15	40.26		17.6	1379	7.16	9.30	221.52	151.6	~42	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

18	**1379**	**7.2**	**9.3**	**221.52**	**151.6**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
[ ] PERISTALTIC
[ ] SUBMERSIBLE
[ ] BLADDER
[ ] WATTERA
[X] OTHER Bailer
[ ] OTHER

DECON FLUIDS USED
[ ] LIQUINOX
[X] DEIONIZED WATER
[ ] POTABLE WATER
[ ] NITRIC ACID
[ ] HEXANE
[ ] METHANOL
[ ] OTHER Alconox

TUBING/PUMP/BLADDER MATERIALS
[ ] SILICON TUBING
[ ] TEFLON TUBING
[ ] TEFLON LINED TUBING
[ ] HDPE TUBING
[ ] LDPE TUBING
[ ] OTHER
[ ] OTHER
[ ] S. STEEL PUMP MATERIAL
[ ] PVC PUMP MATERIAL
[ ] GEOPROBE SCREEN
[ ] TEFLON BLADDER
[ ] OTHER
[ ] OTHER
[X] OTHER N/A

EQUIPMENT USED
[X] WL METER PFAS FREE 200M
[ ] PID
[X] WQ METER PRO DSS
[X] TURB. METER PRO DSS
[ ] PUMP
[ ] OTHER
[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]
NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: .39

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

1 well volume = 0.13 gal/ 16.64 oz
3 well volume = .39 gal
Turbidity unreliable due to uncalibrated YSI

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/29/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-106	9/29/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		8:55	9:55
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-106	9:40	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	50.75 FT	**FINAL DTW (BMP)**	50.75 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	98.11 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	47.36 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.94 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.00 GAL	**DRAWDOWN/ TOTAL PURGED**	0.000	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
8:55	50.75	300	11.7	1095	6.58	1.62	1300	19.9	~95	
9:00	50.75	350	12.8	1094	6.59	1.25	1275	30.8	~95	Lowered pump to 42
9:05	50.74	250	12.1	1085	6.65	0.98	1025	31.5	~95	
9:10	50.74	200	12.0	1084	6.68	0.84	706	21.8	~95	
9:15	50.74	250	11.9	1081	6.71	0.78	453	15.6	~95	
9:20	50.74	250	11.8	1080	6.72	0.68	335	13.8	~95	
9:25	50.75	300	11.9	1081	6.73	0.44	174	10.2	~95	Changed to 41
9:30	50.75	300	11.9	1081	6.73	0.36	100	8.1	~95	
9:35	50.75	300	12.0	1081	6.73	0.29	72	7.5	~95	
9:40	50.75	300	12.0	1080	6.73	0.18	39	9.6	~95	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

12	**1080**	**6.7**	**0.2**	**39**	**9.6**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 4

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Zachary LaMountain

Checked By: Date: 9/29/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-106S	9/26/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		11:20	12:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-106S	12:35	557005	1 OF 1

WELL DIAMETER (INCHES) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER _____

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER 1 " Bailer

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	50.4 FT	**FINAL DTW (BMP)**	50.46 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	55.61 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	5.21 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.21 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	0.60 GAL	**DRAWDOWN/ TOTAL PURGED**	0.004	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:20	**BEGIN PURGING**									
11:25	50.40		16.8	697	7.02	7.10	742.23	157.5	~52	
11:50	50.42		15.6	700	7.06	7.27	738.40	151.5	~52	
12:10	50.44		17.2	718	7.04	6.97	348.44	153.7	~52	
12:35	50.46		19.1	742	7.08	6.74	171.96	150.1	~52	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

19	**742**	**7.1**	**6.7**	**171.96**	**150.1**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [X] OTHER 1 " Bailer
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER Alconox

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID _____
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [X]

NO-PURGE METHOD UTILIZED — YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: .6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/26/2025

SKETCH/NOTES

Talked with Donna, landowner
Water very sandy/turbid

Turbidity values unreliable due to uncalibrated YSI

1 well volume = 0.20 gal
3 well volume = 0.60 gal

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-107	9/29/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		11:05	11:50
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-107	11:50	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR		X	

INITIAL DTW (BMP)	32.07 FT	**FINAL DTW (BMP)**	32.02 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	79.2 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	47.13 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.93 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.00 GAL	**DRAWDOWN/ TOTAL PURGED**	-0.001	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
11:05	32.02	200	15.0	615	7.12	5.59	1360	70.6	~76	Pump at 199 to 201
11:10	32.05	100	14.0	795	6.87	2.11	1487	-12.0	~76	
11:15	32.03	100	14.6	810	6.89	0.76	1070	-39.3	~76	
11:20	32.03	100	15.4	813	6.90	0.73	710	-43.5	~76	
11:25	32.02	100	15.6	830	6.91	0.48	637	-48.0	~76	
11:30	32.02	50	15.9	829	6.92	0.46	290	-50.8	~76	Pump stopped
11:35	32.02	400	13.7	820	6.94	0.31	1400	-59.3	~76	201 to 197
11:40	32.02	250	12.6	818	6.95	0.25	1160	-64.2	~76	
11:45	32.02	100	14.8	823	6.94	0.16	823	-72.2	~76	
11:50	32.02	100	15.3	824	6.94	0.21	685	-75.0	~76	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**824**	**6.9**	**0.2**	**685**	**-75**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

1135 - Reoriented pump to clear line

Sampler Signature: Print Name: Zachary LaMountain

Checked By: Date: 9/29/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-108	9/30/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		13:35	14:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-108	14:20	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	22.98 FT	**FINAL DTW (BMP)**	22.91 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	55.49 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	32.51 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.33 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.50 GAL	**DRAWDOWN/ TOTAL PURGED**	-0.001	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
13:35	22.98	650	12.1	1543	6.86	0.29	1039	-47	~85	
13:40	22.97	650	11.7	1557	6.89	0.12	688	-54	~85	
13:45	22.92	300	13.1	1580	6.88	0.12	580	-54	~85	
13:50	22.91	350	13	1598	6.87	0.09	462	-61	~85	
13:55	22.92	250	13.5	1617	6.86	0.05	411	-63	~85	
14:00	22.92	250	13.5	1623	6.86	0.04	380	-64	~85	
14:05	22.91	250	13.5	1634	6.85	0.04	345	-64	~85	
14:10	22.90	200	13.7	1643	6.85	0.04	318	-65	~85	
14:15	22.90	200	13.7	1647	6.84	0.03	300	-66	~85	
14:20	22.91	250	13.9	1654	6.84	0.02	289	-66	~85	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**14**	**1654**	**6.8**	**0.0**	**289**	**-66**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED [ ] YES [X] NO

NO-PURGE METHOD UTILIZED [ ] YES [X] NO

NUMBER OF GALLONS GENERATED: 3.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 9/30/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-108S	9/24/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		10:30	12:50
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-108S	12:55	557005	1 OF 2

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	7.77 FT	**FINAL DTW (BMP)**	8.19 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	26.54 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	18.77 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.07 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.08 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.00 GAL	**DRAWDOWN/ TOTAL PURGED**	0.01	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:30	**BEGIN PURGING**									
10:35	7.77	150	14.3	809	7.47	0.50	10.00	-97.7	~23	
10:40	7.76	100	14.7	833	7.47	0.41	9.07	-116.3	~23	
10:45	7.73	100	14.9	849	7.47	0.40	5.25	-125.8	~23	
10:50	7.67	100	15.0	848	7.47	0.37	4.66	-128.9	~23	
10:55	7.65	100	15.0	850	7.46	0.35	5.50	-134.7	~23	
11:00	7.64	100	15.2	847	7.46	0.32	27.07	-137.0	~23	
11:05	7.64	100	15.1	847	7.46	0.31	28.00	-138.1	~23	
11:10	7.63	100	15.2	847	7.46	0.30	25.82	-139.6	~23	
11:15	7.61	100	15.2	847	7.46	0.29	135.54	-141.0	~23	
11:20	7.60	100	15.2	843	7.46	0.29	-	-141.6	~23	
11:25	7.59	100	15.0	841	7.46	0.28	-	-141.2	~23	
11:30	7.58	100	15.3	840	7.46	0.29	-	-141.9		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

Readings continued on next page.

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [ ] TURB. METER PRO DSS
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Turbidity readings after 11:15 are unreliable due to uncalibrated YSI
No change in color/odor
Water level rose during sampling

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/24/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID		DATE	
Queensbury Landfill		MW-108S		9/24/2025	
PROJECT NUMBER		START TIME		END TIME	
453202.0000.0000		10:30		12:50	
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER		PAGE	
QNSB-MW-108S	12:55	557005		2 OF 2	

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	7.77 FT	**FINAL DTW (BMP)**	8.19 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	26.54 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	18.77 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.07 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.08 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.00 GAL	**DRAWDOWN/ TOTAL PURGED**	0.01	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
Unstable readings. Stopped recording to troubleshoot										
11:45	7.45	50	16.6	806	7.42	0.66	312,000	-103.0	~23	
11:50	7.44	50	17.0	828	7.45	0.58	32,683	-114.2	~23	
11:55	7.43	50	17.1	833	7.46	0.47	32,813	-124.2	~23	
12:00	7.42	50	17.5	830	7.47	0.40	37,830	-128.4	~23	
12:05	7.42	50	17.1	833	7.47	0.39	38,060	-129.8	~23	
Pump stopped to replace battery. Pumping resumed at 12:30.										
12:35	8.30	300	13.1	792	7.49	0.62	-	-122.8	~23	
12:40	8.25	250	13.2	859	7.47	0.35	-	-133.4	~23	
12:45	8.21	250	13.4	875	7.46	0.28	-	-138.7	~23	
12:50	8.19	250	13.4	870	7.00	0.26	-	-140.3	~23	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**14**	**0.940**	**8.06**	**8.62**	**-**	**-140.3**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [ ] TURB. METER PRO DSS
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Turbidity readings after 11:15 are unreliable due to uncalibrated YSI

No change in color/transparency

Purge rate increase due to change of battery

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/24/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-109	9/24/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		9:40	12:40
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-109	12:55	557005	1 OF 2

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	21.64 FT	**FINAL DTW (BMP)**	21.69 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	83.51 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	61.87 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.15 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:00	**BEGIN PURGING**									
10:05	21.75	300	13.60	887	7.64	5.38	480	118.0	~80	
10:10	21.70	170	13.20	916	7.23	2.68	81	94.0	~80	
10:15	21.75	400	14.10	923	7.24	2.14	49	52.0	~80	
10:20	21.72	300	14.30	910	7.24	2.28	46	39.1	~80	
10:25	21.73	300	14.80	914	7.24	2.46	29	25.1	~80	
10:30	21.72	300	14.60	912	7.24	2.62	23	22.0	~80	
10:35	21.72	150	16.10	906	7.23	2.78	21	20.0	~80	
10:40	21.68	100	16.10	901	7.23	2.92	21	17.7	~80	
10:45	21.65	250	15.00	914	7.25	4.65	21	35.0	~80	
10:50	21.70	400	14.80	911	7.22	4.35	47	30.8	~80	
10:55	21.68	100	13.70	895	7.22	4.43	92	34.0	~80	Pump stopped
12:10	21.69	150	13.70	876	7.31	3.37	300	103.0		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

Readings continued on page 2.

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
[ ]	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Pump set to 122 at 300 mL/min
Min 85 to start pump
Pump at 140 = 150 mL/min
Took generator off ECO-mode
Page 2 see field notes

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 9/24/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-109	9/24/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		9:40	12:40
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-109	12:55	557005	1 OF 2

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	21.64 FT	**FINAL DTW (BMP)**	21.69 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	83.51 FT	**SCREEN LENGTH**	15 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	61.87 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0 GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.15 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.37 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
12:20	21.69	150	15.60	882	7.32	3.56	117.00	57.8	~80	Pumping resumed
12:25	21.69	100	15.50	881	7.32	3.64	98.00	57.0	~80	
12:30	21.70	200	15.30	884	7.31	3.77	88.00	57.7	~80	
12:35	21.69	200	14.80	880	7.30	3.89	64.00	60.5	~80	
12:40	21.69	150	14.70	889	7.29	4.02	46.00	66.0	~80	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

15	**889.000**	**7.29**	**4.02**	**46**	**66**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER	PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID	
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER	PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER	PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP	
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER	
[X] OTHER Geosub	[X] OTHER Alconox	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO.	TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED [ ] YES [X] NO

NO-PURGE METHOD UTILIZED [ ] YES [X] NO

NUMBER OF GALLONS GENERATED: 5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Zachary LaMountain

Checked By:

Date: 9/24/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-109S	9/25/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:50	15:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-109S	15:40	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	7.52 FT	**FINAL DTW (BMP)**	7.44 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	26.85 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	21.99 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	- GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.61 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.50 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:50	**BEGIN PURGING**									
14:55	7.52	250	13.00	833	7.36	0.26	2.05	-2.2	~23	
15:00	7.55	250	13.00	835	7.36	0.25	2.41	-8.7	~23	
15:05	7.59	300	13.10	838	7.35	0.31	6.30	-33.3	~23	
15:10	7.60	300	12.90	829	7.38	0.22	4.80	-51.6	~23	
15:15	7.59	150	13.00	834	7.38	0.20	2.88	-67.7	~23	
15:20	7.56	300	13.00	828	7.40	0.19	3.00	-82.6	~23	Pump speed increased
15:25	7.55	300	12.90	828	7.40	0.18	3.02	-87.3	~23	
15:30	7.53	300	13.00	826	7.40	0.18	2.86	-95.0	~23	
15:35	7.44	250	13.10	831	7.40	0.18	2.73	-97.1	~23	
15:40			13.50	825	7.41	0.19	2.97	-112.6	~23	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

14	**825.000**	**7.41**	**0.19**	**2.97**	**-112.6**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Abnormal redox rise due to errors in calibration with YSI,
Sudden drop in DTW noted, but fell within parameters

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/25/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-110	9/23/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		11:35	12:25
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-110	12:25	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	32.14 FT	**FINAL DTW (BMP)**	FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	102.53 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	N/A SEC
WATER COLUMN	70.39 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	- GAL	**PID WELL MOUTH**	- PPM	**DISCHARGE TIMER SETTING**	N/A SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	11.54 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	6.00 GAL	**DRAWDOWN/ TOTAL PURGED**	-	**PRESSURE TO PUMP**	N/A PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:35	**BEGIN PURGING**									
11:40	32.45	400	13.10	1335	6.78	1.85	483.00	-150.0	99	
11:45	32.51	400	12.60	1348	6.72	1.57	82.00	-125.0	99	
11:50	32.55	400	12.80	1362	6.74	1.13	44.00	-124.0	99	
11:55	32.61	450	12.80	1349	6.77	0.77	28.80	-139.6	99	
12:00	32.64	500	12.60	1320	6.79	0.47	24.50	-157.5	99	
12:05	32.72	450	12.50	1308	6.79	0.34	20.50	-170.3	99	
12:10	32.82	700	12.30	1334	6.77	0.30	22.00	-172.2	99	
12:15	32.83	600	12.30	1345	6.77	0.22	16.5	-175.0	99	
12:20	32.84	700	12.20	1356	6.76	0.19	15.73	-175.7	99	
12:25	32.84	600	12.10	1362	6.76	0.16	9.15	-175.9	99	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**14**	**825.000**	**7.41**	**0.19**	**2.97**	**-112.6**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[X] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER PFAS FREE 200M
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[ ] PID
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER PRO DSS
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[X] TURB. METER PRO DSS
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[X] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [ ] NO [X]

NO-PURGE METHOD UTILIZED YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Pump setting at 48.
MS/MSD being sampled
DUP-01
QNSB-MW-110MS

Sampler Signatur

Print Name: Zachary LaMountain

Checked By:

Date: 9/23/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-111S	9/23/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:20	15:05
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-111S	15:10	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	22.35 FT	**FINAL DTW (BMP)**	22.38 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	FT
WELL DEPTH (BMP)	26.81 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	SEC
WATER COLUMN	4.46 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	GAL	**PID WELL MOUTH**	PPM	**DISCHARGE TIMER SETTING**	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.73 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.25 GAL	**DRAWDOWN/ TOTAL PURGED**		**PRESSURE TO PUMP**	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:20	**BEGIN PURGING**									
14:25	22.36	150	15.10	275.5	7.77	10.41	5.21	44.9	~25	
14:30	22.37	150	14.50	283.9	7.71	10.37	4.00	52.5	~25	
14:35	22.38	150	14.50	287.6	7.67	10.25	3.97	55.5	~25	
14:40	22.39	150	14.70	288.6	7.65	10.12	4.45	57.3	~25	
14:45	22.39	150	14.50	291.3	7.62	10.11	5.55	59.6	~25	
14:50	22.38	150	14.70	290.2	7.62	10.04	7.35	61.7	~25	
14:55	22.38	100	15.70	292.2	7.60	9.80	10.35	61.5	~25	Water rate slowed
15:00	22.36	100	15.80	291.6	7.60	9.90	11.09	61.3	~25	
15:05	22.38	100	16.30	292.3	7.60	9.84	14.50	58.3	~25	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**16.00**	**292.3**	**7.6**	**0.8**	**14.5**	**58**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/23/2025

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
Queensbury Landfill		MW-112S	9/26/2025
PROJECT NUMBER		**START TIME**	**END TIME**
453202.0000.0000		14:45	15:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
QNSB-MW-112S	15:30	557005	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR			X

INITIAL DTW (BMP)	18.45 FT	**FINAL DTW (BMP)**	18.4 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	FT
WELL DEPTH (BMP)	22.14 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	PPM	**REFILL TIMER SETTING**	SEC
WATER COLUMN	3.69 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	GAL	**PID WELL MOUTH**	PPM	**DISCHARGE TIMER SETTING**	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.61 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.00 GAL	**DRAWDOWN/ TOTAL PURGED**		**PRESSURE TO PUMP**	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:45	**BEGIN PURGING**									
14:50	18.45	350	13.10	394.6	7.51	5.25	1019.00	110.1	~20	
14:55	18.42	350	13.20	392.5	7.50	5.14	450.00	111.7	~20	
15:00	18.41	350	13.10	402.5	7.49	5.12	776.00	112.9	~20	
15:05	18.41	300	13.20	413.2	7.48	5.07	961.00	114.2	~20	
15:10	18.41	350	13.50	419.9	7.47	5.24	19.45	115.3	~20	
15:15	18.41	350	13.30	426.2	7.46	5.24	7.03	115.6	~20	
15:20	18.41	350	13.00	430.4	7.45	5.07	58.84	116.9	~20	
15:25	18.40	350	13.00	423.9	7.48	5.35	112.65	116.6	~20	
15:30	18.40	350	12.90	428.7	7.48	5.19	256.19	116.6	~20	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	13.00	**428.7**	**7.5**	**5.2**	**256.19**	**116.6**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER PFAS FREE 200M
- [ ] PID
- [X] WQ METER PRO DSS
- [X] TURB. METER PRO DSS
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	1,4 Dioxane	8270 SIM	No	-				2
X	Boron	SA 2320	No	HNO3				1
X	Alkalinity	200 . 7	No	-				1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 4

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Unreliable turbidity due to calibration issues with YSI

Sampler Signature: Jake MM Print Name: Jake Montgomery

Checked By: Date: 9/26/2025

APPENDIX I

LAND SURVEY REPORTS (2021 AND 2023)

FINCH PAPER LANDFILL

Northing	Easting	Elevation	Description
1663928.0374	727673.4960	470.44	MW -1
		468.12	Adjacent Ground Surface
		470.44	Top of Protective Casing
		469.50	Top of PVC Riser
1661838.3478	728355.9522	389.97	MW -2
		386.86	Adjacent Ground Surface
		389.97	Top of Protective Casing
		389.07	Top of PVC Riser
1661549.6268	727312.7032	408.97	MW -3AR
		406.22	Adjacent Ground Surface
		408.97	Top of Protective Casing
		408.65	Top of PVC Riser
1661247.8095	728037.5213	375.35	MW -4E
		372.53	Adjacent Ground Surface
		375.35	Top of Protective Casing
		374.74	Top of PVC Riser
1661250.7263	728016.2214	376.00	MW -4D
		374.05	Adjacent Ground Surface
		376.00	Top of Protective Casing
		375.67	Top of PVC Riser
1661210.0805	727457.5390	333.68	MW -B
		331.37	Adjacent Ground Surface
			No Protective Casing
		333.65	Top of PVC Riser
1663094.8843	727567.2720	506.35	MW -C
		504.38	Adjacent Ground Surface
		506.32	Top of Protective Casing
QUEENSBURY LANDFILL			
Northing	Easting	Elevation	Description
1661736.2996	725028.7175	484.73	MW -1
		482.50	Adjacent Ground Surface
		484.73	Top of Protective Casing
		483.98	Top of PVC Riser
1661464.2642	725640.4547	439.47	MW -2
		436.24	Adjacent Ground Surface
		439.47	Top of Protective Casing

		439.31	Top of PVC Riser
1661242.3794	726229.4825	476.03	MW -3
		472.91	Adjacent Ground Surface
		476.03	Top of Protective Casing
		474.79	Top of PVC Riser
1661396.2293	726832.0988	327.77	MW -4
		325.33	Adjacent Ground Surface
		327.77	Top of Protective Casing
		327.09	Top of PVC Riser
1662608.8174	726389.8684	417.41	MW -5
		414.65	Adjacent Ground Surface
		417.41	Top of Protective Casing
		416.53	Top of PVC Riser
1661963.8631	725217.3030	480.50	MW -E1
		478.74	Adjacent Ground Surface
		480.49	Top of Protective Casing
1661348.9875	726772.5247	327.19	MW -E2
		327.18	Adjacent Ground Surface
1661446.3680	726831.4525	328.42	MW -DO-1
		328.41	Adjacent Ground Surface
1661443.1415	726833.8383	327.89	SUPPLY WELL
		327.89	Adjacent Ground Surface
MCCLAUGHLIN C&D LANDFILL			
Northing	Easting	Elevation	Description
1660666.2342	724873.1017	416.26	MW -01
		413.06	Adjacent Ground Surface
		416.26	Top of Protective Casing
		415.96	Top of PVC Riser
1660927.3420	724666.4924	445.34	MW -02
		442.09	Adjacent Ground Surface
		445.34	Top of Protective Casing
		444.99	Top of PVC Riser
1661120.5696	724718.2080	463.44	MW -03
		460.95	Adjacent Ground Surface
		463.44	Top of Protective Casing
		463.12	Top of PVC Riser

1660975.5651	725157.9917	460.47	MW -04
		457.52	Adjacent Ground Surface
		460.47	Top of Protective Casing
		460.16	Top of PVC Riser
1660573.9710	725202.7756	409.18	MW -05
		406.14	Adjacent Ground Surface
		409.18	Top of Protective Casing
		408.93	Top of PVC Riser
CIBA-GEIGY HAZ. WASTE LANDFILL			
Northing	Easting	Elevation	Description
1661056.7139	725375.2227	457.63	MW -1
		454.63	Adjacent Ground Surface
		457.68	Top of Protective Casing
1661045.2895	725376.1947	454.45	MW -1A
		453.59	Adjacent Ground Surface
		454.53	Top of Protective Casing
1661312.3273	725081.8905	473.89	MW -2
		472.58	Adjacent Ground Surface
		473.96	Top of Protective Casing
1661336.6902	725071.6926	474.02	MW -2A
		472.27	Adjacent Ground Surface
		474.17	Top of Protective Casing
1661325.2610	725082.7445	473.57	MW -2B
		472.16	Adjacent Ground Surface
		473.66	Top of Protective Casing
1661306.0769	725092.8602	473.14	MW -2C
		471.24	Adjacent Ground Surface
		473.57	Top of Protective Casing
		473.14	Top of PVC Riser
1661417.7977	725527.5703	441.28	MW -3
		440.48	Adjacent Ground Surface
		441.40	Top of Protective Casing
1661128.6256	725586.2862	440.24	MW -4
		436.26	Adjacent Ground Surface
		440.28	Top of Protective Casing

1661096.3434	725570.8196	440.88	MW -4A
		438.29	Adjacent Ground Surface
		440.93	Top of Protective Casing
1661138.8529	725611.8056	436.51	MW -4B
		435.90	Adjacent Ground Surface
		436.61	Top of Protective Casing
1661114.8914	725561.7155	438.26	MW -4C
		437.46	Adjacent Ground Surface
		438.30	Top of Protective Casing
1661151.3467	725609.7052	438.00	MW -4D
		435.93	Adjacent Ground Surface
		438.39	Top of Protective Casing
		438.00	Top of PVC Riser
1661277.9219	725646.7632	436.33	MW -5
		435.02	Adjacent Ground Surface
		436.42	Top of Protective Casing
1661407.6580	725621.7797	436.32	MW -6
		435.30	Adjacent Ground Surface
		436.49	Top of Protective Casing
1661220.1271	725656.6807	435.83	MW -7
		435.50	Adjacent Ground Surface
		436.24	Top of Protective Casing
1661211.9615	725658.6285	437.11	MW -7A
		435.57	Adjacent Ground Surface
		437.10	Top of Protective Casing
1661405.7821	725289.4296	462.44	MW -8
		460.58	Adjacent Ground Surface
		462.57	Top of Protective Casing
1661398.8283	725280.8833	463.48	MW -8A
		461.56	Adjacent Ground Surface
		463.81	Top of Protective Casing
		463.48	Top of PVC Riser
1660992.8428	725321.0668	453.70	MW -9
		452.85	Adjacent Ground Surface
		453.81	Top of Protective Casing

1661047.1419	725435.4317	453.21	MW -15
		451.70	Adjacent Ground Surface
		453.24	Top of Protective Casing
1661051.7236	725421.5447	454.04	MW -15A
		451.69	Adjacent Ground Surface
		454.31	Top of Protective Casing
		454.04	Top of PVC Riser
1661045.7539	725295.7735	461.78	MW -16
		458.65	Adjacent Ground Surface
		461.81	Top of Protective Casing
1661116.4475	725195.2217	470.23	MW -17
		468.31	Adjacent Ground Surface
		470.39	Top of Protective Casing
1661123.5230	725188.9749	470.67	MW -17A
		469.17	Adjacent Ground Surface
		471.15	Top of Protective Casing
		470.67	Top of PVC Riser
ADDITONAL LOCATIONS			
Northing	Easting	Elevation	Description
1660017.4978	726912.1443	412.13	HARRIS MUD POND SUPPLY WELL
		409.67	Adjacent Ground Surface
		412.01	Top of Protective Casing
1661594.3068	726889.0531		Leachate 1
1661577.6938	726777.0692		Leachate 2
1661536.1454	726725.4370		Leachate 3

1.) Survey Information referenced horizontally to the North American Datum of 1983 (NAD83), projected on the NYS Plane Coordinate System (East Zone).
2.) Elevations provided in North American Vertical Datum of 1988 (NAVD 88).
3.) Survey information is based on a GPS survey completed on December 15, 2021



Original Stamped & Signed in Red Ink

Proposed Off-Site Monitoring Well locations Queensbury Landfill -Site No. 557005

Northing (Y)	Easting (X)	Elevation (Z)	Description
1660261.9236	726314.3524	424.83	MW BMW-101
		422.03	Adjacent Ground Surface
		424.81	Top of Steel Casing
1658938.6710	724894.7500	359.67	MW BMW-102
		356.64	Adjacent Ground Surface
		359.65	Top of Steel Casing
1660861.9508	726472.2179	393.39	MW-101
		390.66	Adjacent Ground Surface
		393.28	Top of PVC Riser
1660270.5669	726317.7497	424.74	MW-102
		421.80	Adjacent Ground Surface
		424.57	Top of PVC Riser
1660196.8830	727508.2869	364.17	MW-103
		361.32	Adjacent Ground Surface
		364.00	Top of PVC Riser
1659834.1445	725718.9763	363.14	MW-104
		363.10	Adjacent Ground Surface
		362.75	Top of PVC Riser
1659597.5170	726296.6884	356.77	MW-105
		356.87	Adjacent Ground Surface
		356.43	Top of PVC Riser
1659694.8634	726673.7841	367.72	MW-106
		364.61	Adjacent Ground Surface
		367.51	Top of PVC Riser
1659420.0571	727574.0362	340.01	MW-107
		340.03	Adjacent Ground Surface
		339.50	Top of PVC Riser
1659077.1003	726495.9939	337.17	MW-108
		337.24	Adjacent Ground Surface
		336.63	Top of PVC Riser
1658805.3966	727071.4818	331.49	MW-109
		331.51	Adjacent Ground Surface
		331.13	Top of PVC Riser

1659053.6355	725767.0266	348.49	MW-110
		345.47	Adjacent Ground Surface
		348.33	Top of PVC Riser

1.) Survey Information referenced horizontally to the North American Datum of 1983 (NAD83), projected on the NYS Plane Coordinate System (East Zone).
2.) Elevations provided in North American Vertical Datum of 1988 (NAVD 88).
3.) Survey information is based on a GPS survey completed on November 16, 2023.



Original Stamped & Signed in Red Ink

APPENDIX J

IDW WASTE MANIFESTS

D129501

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD000818419	1	800-777-4557	022848219 JJK

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 BROADWAY 12TH FLOOR
ALBANY, NY 12233
Generator's Phone: 518-348-1192

Generator's Site Address (if different than mailing address)
NYSDEC #557005
QUEENSBURY LANDFILL 1396 RIDGE ROAD
QUEENSBURY, NY 12804

6. Transporter 1 Company Name
ACV ENVIRONMENTAL SERVICES, INC
U.S. EPA ID Number: NJD003812047

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: 908-355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Waste Non DOT/Non-RCRA Liquid (IDW Liquid)	2	DM	100	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information D129501 SO 132371 SFSO#

1)Profile#206320 NON HAZARDOUS LIQUID IDW

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Andrew Fishman As an agent of NYSDEC
Signature: X [signature] As an Agent of NYSDEC
Month: 8 Day: 29 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dan Wellman
Signature: [signature]
Month: 8 Day: 29 Year: 22

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: M Gibson
Signature: [signature]
Month: 09 Day: 19 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	800-255-3924	23-07106-03

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
625 Broadway
Albany NY 12233
Generator's Phone: 518 402-9805

Generator's Site Address (if different than mailing address)
NYSDEC - Queensbury Landfill
Ridge Road
Queensbury NY 12804

6. Transporter 1 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

8. Designated Facility Name and Site Address
Schenectady Wastewater Treatment Plant
300 Anthony Street
Schenectady NY 12306
Facility's Phone: 518 631-0037
U.S. EPA ID Number: NYR000061879

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA, non-DOT Regulated Liquid (wastewater)	1	TT	3000	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1)(wastewater) / Profile#: _____ / CONTAINER QTY. & SIZE: 1X3000
Job#23-07106

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Nelson Baker on behalf of NYSDEC
Signature: Nelson Baker
Month: 12 Day: 14 Year: 23

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.: _____

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian Francoeur
Signature:
Month: 12 Day: 14 Year: 23

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Andy Coppola
Signature: Andy Coppola
Month: 12 Day: 14 Year: 23

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number:

2. Page 1 of: 1

3. Emergency Response Phone: 800-255-3924

4. Waste Tracking Number: 23-07106-01

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
625 Broadway
Albany NY 12233
Generator's Phone: 518 402-9805

Generator's Site Address (if different than mailing address)
NYSDEC - Queensbury Landfill
Ridge Road
Queensbury NY 12804

6. Transporter 1 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

8. Designated Facility Name and Site Address
Schenectady Wastewater Treatment Plant
300 Anthony Street
Schenectady NY 12308
Facility's Phone: 518 631-0037
U.S. EPA ID Number: NYR000061879

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA, non-DOT Regulated Liquid (wastewater)	1	TT	3000	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1)(wastewater) / Profile#: _____ / CONTAINER QTY. & SIZE: 1 X 3000
Job#23-07106

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Nilsen Baker on Behalf of NYSDEC
Signature: Nilsen Baker on Behalf of NYSDEC
Month: 12 Day: 14 Year: 23

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian Pierceyon
Signature:
Month: 12 Day: 14 Year: 23

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Andy Coppola
Signature: Andy Coppola
Month: 12 Day: 14 Year: 23

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-255-3924	4. Waste Tracking Number 23-07106-02

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
625 Broadway
Albany NY 12233
Generator's Phone: 518 402-9805

Generator's Site Address (if different than mailing address)
NYSDEC - Queensbury Landfill
Ridge Road
Queensbury NY 12804

6. Transporter 1 Company Name: Precision Industrial Maintenance, LLC — U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name: Precision Industrial Maintenance, LLC — U.S. EPA ID Number: NY0001031814

8. Designated Facility Name and Site Address
Schenectady Wastewater Treatment Plant
300 Anthony Street
Schenectady NY 12306
Facility's Phone: 518 631-0037
U.S. EPA ID Number: NYR000061879

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	Non-RCRA, non-DOT Regulated Liquid (wastewater)	1	TT	3500	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1)(wastewater) / Profile#: _____ / CONTAINER QTY. & SIZE: 1x 3500
Job#23-07106

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kelsey Baker on behalf of NYSDEC — Signature: Kelsey Baker on behalf of NYSDEC — Month: 12 — Day: 14 — Year: 23

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.: _____

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian Flanagan — Signature: [signature] — Month: 12 — Day: 14 — Year: 23

Transporter 2 Printed/Typed Name: _____ — Signature: _____ — Month: _____ — Day: _____ — Year: _____

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: _____

17b. Alternate Facility (or Generator) — U.S. EPA ID Number: _____
Facility's Phone: _____

17c. Signature of Alternate Facility (or Generator) — Month: _____ — Day: _____ — Year: _____

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Andy Coppola — Signature: Andy Coppola — Month: 12 — Day: 14 — Year: 23

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	800-255-3924	24-07072-01

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
625 Broadway
Albany NY 12233
Generator's Phone: 518 402-9805

Generator's Site Address (if different than mailing address)
NYSDEC - Queensbury Landfill
Ridge Road
Queensbury NY 12804

6. Transporter 1 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number
NY0001031814

7. Transporter 2 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number
NY0001031814

8. Designated Facility Name and Site Address
Schenectady Wastewater Treatment Plant
300 Anthony Street
Schenectady NY 12308
Facility's Phone: 518 631-0037
U.S. EPA ID Number
NYR000061879

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA, non-DOT Regulated Liquid (wastewater)	5	DM	1800	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1)(wastewater) / Profile#: _____ / CONTAINER QTY. & SIZE: 5x55gal
Job#24-07072

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Melony Baker on behalf of NYSDEC
Signature: Melony Baker on behalf of NYSDEC
Month: 7 Day: 1 Year: 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Josh Lowell
Signature:
Month: 7 Day: 1 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Patricia Beaulieu
Signature:
Month: 7 Day: 2 Year: 24

DESIGNATED FACILITY TO GENERATOR

...ARDOUS ...STE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-255-3924	4. Waste Tracking Number 24-07072-02

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
625 Broadway
Albany NY 12233
Generator's Phone: 518 402-9905

Generator's Site Address (if different than mailing address)
NYSDEC - Queensbury Landfill
Ridge Road
Queensbury NY 12804

6. Transporter 1 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

8. Designated Facility Name and Site Address
Environmental Soils Management, Inc. of NY
304 Paw Path Road
Fort Edward NY 12828
Facility's Phone: 518 747-5500
U.S. EPA ID Number: NYR000012369

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1	Non-RCRA, non-DOT Regulated Solid (auger cuttings)	1	DM	55	P
2.				.03 TON	
3.					
4.					

13. Special Handling Instructions and Additional Information
1 (auger cuttings) / CONTAINER QTY. & SIZE: 1 x 55 / Job#24-07072

NYSDEC - # 5570-5

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Nelson Baker on behalf of NYSDEC
Signature: Nelson Baker on behalf of NYSDEC
Month 7 Day 1 Year 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Josh Lewis
Signature:
Month 7 Day 1 Year 24

Transporter 2 Printed/Typed Name: Tim Mead
Signature:
Month 7 Day 16 Year 24

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

DESIGNATED FACILITY

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Robert Bell
Signature:
Month 7 Day 16 Year 24

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

ESMI NY
304 Towpath Ln
Fort Edward, NY 12828
Ph: Fax:

Ticket: 3749341

	Date	Time	Scale
In:	07/16/2024	12:01:21	ESMINY
Out:	07/16/2024	12:01:21	ESMINY

Manifest: 24-07072-02
Vehicle: Precision 086
Decal:

	Lbs	Tn
Gross:	11920.00	5.96
Tare:	11860.00	5.93
Net:	60.00	0.03

Customer: Precision Industrial Mainten
Generator: NYSDEC
Address: 625 Broadway -12th Floor
Albany, NY 10001

Carrier:
Profile #: 2433000007
Job: NYSDEC Queensbury Landfill
Address: Ridge Road
QUEENSBURY, NY 12804

Material: Recyclable soil/rock/material

Driver: JC
Comment:

Facility: ESMI NY
Donella Fisher
Robert Bell 602097

600581

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number:

2. Page 1 of: 1

3. Emergency Response Phone: 800-255-3924

4. Waste Tracking Number: 24-07072-03

5. Generator's Name and Mailing Address
NYS DEC
625 Broadway
Albany NY 12233
Generator's Phone: 518 402-9805

Generator's Site Address (if different than mailing address)
NYSDEC - Queensbury Landfill
Ridge Road
Queensbury NY 12804

6. Transporter 1 Company Name: Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name: Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

8. Designated Facility Name and Site Address
Schenectady Wastewater Treatment Plant
300 Anthony Street
Schenectady NY 12308
Facility's Phone: 518 631-0037
U.S. EPA ID Number: NYR000061879

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	Non-RCRA, non-DOT Regulated Liquid (wastewater)	01	DM	200	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1)(wastewater) / Profile#:_____ / CONTAINER QTY. & SIZE: 1 V 55 /
Job#24-07072

NYSDEC Site #557005

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Justin King as Agent of NYSDEC
Signature: as Agent of NYSDEC
Month: 7 Day: 16 Year: 24

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tim Mascoo
Signature:
Month: 7 Day: 16 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Andy Coppok
Signature:
Month: 7 Day: 16 Year: 24

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone: 800-255-3924

4. Waste Tracking Number: 23-07106-04

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
625 Broadway
Albany NY 12233
Generator's Phone: 518 402-9805

Generator's Site Address (if different than mailing address)
NYSDEC - Queensbury Landfill
Ridge Road
Queensbury NY 12804
NYSDEC Site # 557005

6. Transporter 1 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

8. Designated Facility Name and Site Address
Environmental Soils Management, Inc. of NY
304 Tow Path Road
Fort Edward NY 12828
Facility's Phone: 518 747-5500
U.S. EPA ID Number: NYR000012369

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1	Non-RCRA, non-DOT Regulated Solid (auger cuttings)	1	CM	4	T
2.				.47	
3.				frozen load all water came off	
4.					

13. Special Handling Instructions and Additional Information: 1)(auger cuttings) / CONTAINER QTY. & SIZE: 1x4 / Job#23-07106

Quote # 00069517

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Justin King as agent of NYSDEC
Signature:
Month 1 Day 5 Year 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian Francyon
Signature:
Month 1 Day 5 Year 24

Transporter 2 Printed/Typed Name: Tim. Mason
Signature:
Month 1 Day 16 Year 24

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Donna Fisher
Signature:
Month 1 Day 16 Year 24

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	800-255-3924	23-07106-05

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
625 Broadway
Albany NY 12233
Generator's Phone: 518 402-9805

Generator's Site Address (if different than mailing address)
NYSDEC - Queensbury Landfill
Ridge Road
Queensbury NY 12804
NYSDEC Site # 557005

6. Transporter 1 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name
Precision Industrial Maintenance, LLC
U.S. EPA ID Number: NY0001031814

8. Designated Facility Name and Site Address
Environmental Soils Management, Inc. of NY
304 Tow Path Road
Fort Edward NY 12828
Facility's Phone: 518 747-5500
U.S. EPA ID Number: NYR000012369

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-RCRA, non-DOT Regulated Solid (auger cuttings)	1	CM	4	T
2.				5.88	
3.					
4.					

13. Special Handling Instructions and Additional Information
1)(auger cuttings) / CONTAINER QTY. & SIZE: 1x 2cyd / Job#23-07106

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Jeff Kaleta (As Agent For NYSDEC)
Signature: Jeff Kaleta
Month: 1 Day: 16 Year: 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tim Mason
Signature:
Month: 1 Day: 16 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Donella Fisher
Signature:
Month: 2 Day: 9 Year: 24

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

NYS New York State Museum

DR. ANDREW D. CLIFT
Curator of Bedrock Geology
R&C Division | Geological Survey
andrew.clift@nysed.gov

Cultural Education Center
Room 3097D
Albany, NY 12230
(518) 473-4153

A program of The University of the State of New York
The State Education Department | Office of Cultural Education

DEED OF GIFT

Anthony Bollasina, P.G.
Professional Geologist - Bureau D, Emerging Contaminants Unit
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12204
(518) 402-2754
Anthony.Bollasina@dec.ny.gov

Justin King
Project Manager
TRC Engineers, Inc.
3 Corporate Drive, Suite 202
Clifton Park, New York 12065
(518) 348-1190
JKing@trccompanies.com

Donation Site Name: Queensbury Landfill (NYSDEC Site ID No. 557005)
Donation Site Location: Ridge Road, Queensbury, New York

The New York State Department of Environmental Conservation (NYSDEC) and its Standby Engineer, TRC Engineers, Inc. (TRC), gives, grants, and conveys the items listed below to the Commissioner of Education as Chief Executive Officer of the Board of Regents of the University of the State of New York.

Please note, the NYSDEC and TRC cannot guarantee that the items listed below will be free of contamination. The Queensbury Landfill site is currently being investigated under the State Superfund Program to determine the presence/absence of per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane in the bedrock aquifer.

- Bedrock Monitoring Well location BMW-1 - 50 linear feet of bedrock core. Bedrock cores to be collected via PQ bit (approx. 5 inch diameter). Up to 10 wooden core boxes anticipated to be generated during October to November 2023.
- Bedrock Monitoring Well location BMW-2 - 50 linear feet of bedrock core. Bedrock cores to be collected via PQ bit (approx. 5 inch diameter). Up to 10 wooden core boxes anticipated to be generated during October to November 2023.

These items become the property of the New York State Museum and shall be recorded as an unrestricted gift. The New York State Museum reserves the right to manage this property as it wishes. Due to limited exhibition space and the Museum's policy of rotating exhibits, exhibition of any object cannot be assured. Gifts to the New York State Museum are deductible from taxable income in accordance with the provisions of the Federal Income Tax laws. It is the responsibility of the donor to establish the value of the gift.

Acceptance of your material by the New York State Museum means that it is a valuable addition to the Museum's collections.

The greater part of a museum's collections are not on public view at any given moment. The New York State Museum utilizes its collections in the following ways: permanent exhibition; rotating exhibition; loans to other museums and institutions for exhibition and research; educational programs and projects; scientific and historical research; maintaining type and study collections for research; and preserving materials threatened by man's activities. Thus, unseen collections enable the Museum to carry out its wide variety of programs.

Items accepted by the Museum become the sole property of the New York State Museum and are not returnable.

Copies of the Museum's mission statement, collection policy, and deaccessioning (disposal) policy are available upon request in accordance the NYS Education Law Section 233a.

Donor's Signature _____ as agent for NYSDEC Date 12/12/23

Gratefully Received by _____ Date 12/12/23

APPENDIX K

DATA USABILITY SUMMARY REPORTS

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Queensbury, NY
Pace/Con-test SDG#22F1364
January 19, 2023
Revised: August 23, 2023
Sampling date: 6/20-22/2022

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(revised: August 23, 2023) for TRC Environmental Corporation, project located at Queensbury, NY, Pace/Con-test SDG#22F1364 submitted to Vali-Data of WNY, LLC on November 22, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(6/2021) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Perfluorinated Hydrocarbons (537 modified; SOP-454), Pesticide (8081B), PCB (8082A), Herbicide (8151A), Inorganics/Mercury (6010D, 7470A) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	Trip Blank	22F1364-01
2	QNSB-CBGY-MW-2B	22F1364-02
3	QNSB-CBGY-MW-2	22F1364-03
4	QNSB-CBGY-MW-3	22F1364-04
5	QNSB-CBGY-DUP-1	22F1364-05
6	QNSB-CBGY-MW-6	22F1364-06
7	QNSB-CBGY-MW-7	22F1364-07
8	QNSB-CBGY-MW-5	22F1364-08
9	QNSB-CBGY-MW-4	22F1364-09
10	QNSB-CBGY-EB-01	22F1364-10
11	QNSB-CBGY-EB-02	22F1364-11
12	Trip Blank	22F1364-12
13	QNSB-CBGY-MW-1	22F1364-13
14	QNSB-CBGY-MW-9	22F1364-14
15	Trip Blank	22F1364-15

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD

-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except 1,1-Dichloroethane and Methyl tert butyl ether were detected in DUSR ID#5 but were not in #4.

LABORATORY CONTROL SAMPLES
All criteria were met except Bromoform was outside QC limits, high in the laboratory control samples and laboratory control sample duplicates and should be qualified as estimated. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD
All criteria were met except the %Rec of several target analytes was outside QC limits, high in DUSR ID#4MS/MSD and should be qualified as estimated. These target analytes were not detected in the associated sample, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of several target analytes were outside QC limits in the initial calibration and/or the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV instrument	Target Analyte	Qualifier	Associated Sample
ICal/ICV GCMSVOA5	Bromodichloromethane	UJ/J	B311364, B311442, B311552, 1-15, 4MS/MSD
ICal/ICV GCMSVOA5	Chlorodibromomethane	UJ/J	B311364, B311442, B311552, 1-15, 4MS/MSD
ICal/ICV GCMSVOA5	1,2-Dibromoethane	UJ/J	B311364, B311442, B311552, 1-15, 4MS/MSD
ICal/ICV GCMSVOA5	1,4-Dioxane	UJ/J	B311364, B311442, B311552, 1-15, 4MS/MSD
ICal/ICV GCMSVOA5	1,1,2-Trichloroethene	UJ/J	B311364, B311442, B311552, 1-15, 4MS/MSD
ICal/ICV GCMSVOA5	1,2,3-Trichlorobenzene	UJ/J	B311364, B311442, B311552, 1-15, 4MS/MSD
ICal/ICV GCMSVOA5	1,2,4-Trichlorobenzene	UJ/J	B311364, B311442, B311552, 1-15, 4MS/MSD

Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S073101-CCV1, S073171-CCV1, S073215-CCV1	Bromodichloromethane	RRF	UJ/J	B311364, B31442, B311552, 1-15, 4MS/MSD
S073101-CCV1, S073171-CCV1, S073215-CCV1	1,2-Dibromoethane	RRF	UJ/J	B311364, B31442, B311552, 1-15, 4MS/MSD
S073101-CCV1, S073171-CCV1, S073215-CCV1	1,4-Dioxane	RRF	UJ/J	B311364, B31442, B311552, 1-15, 4MS/MSD
S073101-CCV1, S073171-CCV1, S073215-CCV1	1,1,2-Trichloroethene	RRF	UJ/J	B311364, B31442, B311552, 1-15, 4MS/MSD
S073101-CCV1, S073171-CCV1, S073215-CCV1	1,2,3-Trichlorobenzene	RRF	UJ/J	B311364, B31442, B311552, 1-15, 4MS/MSD
S073101-CCV1, S073171-CCV1, S073215-CCV1	1,2,4-Trichlorobenzene	RRF	UJ/J	B311364, B31442, B311552, 1-15, 4MS/MSD
S073101-CCV1	Bromoform	29.7	UJ/J	B311364, 1-5, 4MS/MSD
S073101-CCV1	Bromomethane	39.41	UJ/J	B311364, 1-5, 4MS/MSD
S073171-CCV1	Bromoform	51.8	UJ/J	B311442, 6-12
S073171-CCV1	Chloromethane	-30.2	UJ/J	B311442, 6-12
S073171-CCV1	Chlorobenzene	23.7	UJ/J	B311442, 6-12
S073171-CCV1	Styrene	22.5	UJ/J	B311442, 6-12
S073215-CCV1	Bromochloromethane	23.3	UJ/J	B311552, 13-15
S073215-CCV1	Bromoform	36.2	UJ/J	B311552, 13-15
S073215-CCV1	Chloroethane	33.6	UJ/J	B311552, 13-15
S073215-CCV1	1,2-Dibromoethane	20.1	UJ/J	B311552, 13-15
S073215-CCV1	Vinyl Chloride	53.4	UJ/J	B311552, 13-15
S073215-CCV1	Bromomethane	34.4	UJ/J	B311552, 13-15

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Data Completeness, Laboratory Control Samples, Compound Quantitation, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met except the initial calibration and continuing calibration data off instrument GCMSSV3 was not included for target analytes; Atrazine, Benzaldehyde, Biphenyl and Caprolactam. These target analytes should be qualified as estimated if detected in DUSR ID#4, #5, #7, #10, #11, #13, #14 and #4MS/MSD or unusable if not detected.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated in the associated samples.

LCS/LCSD ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B311664	Caprolactam	24.1	23.6	-	UJ	4, 5
B311769	Caprolactam	23.7	25.1	-	UJ	7, 10, 11, 13, 14

MS/MSD
All criteria were met except several target analytes were outside QC limits, in the matrix spike and matrix spike duplicate and should be qualified as estimated.

MS/MSD DUSR ID	Target Analyte	%Rec MS	%Rec MSD	RPD	Qualifier	Associated Sample
4	Caprolactam	20.3	25.9	-	UJ	4
4	Hexachloroethane	30.6	30.9	-	UJ	4
4	4,6-Dinitro-2-methylphenol	-	-	31.6	UJ	4

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

COMPOUND QUANTITATION
All the criteria were met except a TIC was detected in some of the sample blanks, above the qualification level, and should be qualified as undetected in the associated samples in which it was detected.

Blank ID	TIC	Qualifier	Associated Sample
10	Triphenylphosphine oxide	U	7
11	Triphenylphosphine oxide	U	7

INITIAL CALIBRATION
All criteria were met except the RRF and %D of several target analytes were outside QC limits in the initial calibration and/or the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV instrument or ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal GCMSSV3	Hexachlorocyclopentadiene	.983	UJ/J	4, 5, 7, 10, 11, 13, 14, 4MS/MSD
ICV GCMSSV4	2-Nitroaniline	30.0	UJ/J	B311664, B311769

Alternate forms of regression were performed on some target analytes, with acceptable results. Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
S073301-CCV1	Bis(2-chloroisopropyl)ether	-22.8	UJ/J	B311664
S073301-CCV1	4,6-Dinitro-2-methylphenol	31.8	UJ/J	B311664
S073394-CCV1	Bis(2-chloroisopropyl)ether	-25.7	UJ/J	B311769

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- BlanksField Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation

- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Internal Standard, Laboratory Control Samples, MS/MSD and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the %Rec several target analytes were outside QC limits and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated.

Surrogate	Qualifier	Associated Sample
M2PFTA	UJ/J	4MSD
M2PFTA (<10% Rec)	R	7
MPFDoA	UJ/J	7
M2-6:2 FTS	UJ/J	14

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except FBSA and PFNA were detected in DUSR ID#4 but were not detected in #5.

LABORATORY CONTROL SAMPLES

All criteria were met except a target analyte was outside QC limits in the laboratory control sample and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
B312656	FHxSA	134	UJ	2-11, 13, 14

MS/MSD

All the criteria were met except several target analytes were outside QC limits in the matrix spike and matrix spike duplicate and should be qualified as estimated.

Target Analyte	%Rec 4MS	%Rec 4MSD	%RPD	Qualifier	Associated Sample
PFBA	155	276	41.9	J	4
PFHpS	-	-	31.3	UJ	4
6:2FTS	-	-	142	J	4

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION

All the criteria were met except several target analytes were detected in the sample blanks. These target analytes should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration(ng/L)	Qualifier	Associated Sample
10	PFPeA	1.3	U at RL	7
10	PFPeA	1.3	JH	9
10	PFHxA	.62	U at RL	8
10	PFHxA	.62	JH	6, 9
10	6:2FTS	21	U at RL	7, 8
11	8:2FTS	.56	U at RL	none
11	PFOS	1.3	U at RL	7, 8

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on all of the target analytes, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.
LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD
All the criteria were met except a target analyte was outside QC limits in the matrix spike and matrix spike duplicate and should be qualified in the associated sample.

Target analyte	%Rec 4MS	%Rec 4MSD	Qualifier	Associated Sample
Gamma-BHC	46.8	52.2	UJ	4

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met the %RPD of Dicamba and MCPA was outside QC limits between the columns in DUSR ID#4MS and should be qualified as estimated. The %RPD of Dalapon, Dicamba, MCPA and MCPP was outside QC limits between the columns in DUSR ID#4MSD and should be qualified as estimated.
Several target analytes were outside QC limits in DUSR ID#1MS/MSD off the confirmatory column and should be qualified as estimated. Since the column was not prime, no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	Column	%D	Qualifier	Associated Sample
S073514-CCV1	Dalapon	2	18.1	UJ/J	B311658
S073514-CCV2	Dalapon	2	19.5	UJ/J	B311658, 4MS
S073514-CCV3	Dalapon	1	19.9	UJ/J	B311658, 4, 5, 7, 10, 11, 13, 14, 4MS
S073514-CCV3	Dinoseb	1	19.1	UJ/J	B311658, 4, 5, 7, 10, 11, 13, 14, 4MS
S073514-CCV3	2,4-D	2	16.8	UJ/J	B311658, 4MS
S073514-CCV3	2,4-DB	2	20.9	UJ/J	B311658, 4MS
S073514-CCV3	2,4,5-TP	2	17.0	UJ/J	B311658, 4MS
S073514-CCV3	2,4,5-T	2	18.2	UJ/J	B311658, 4MS
Ccal ID	**Target**	**Column**	**%D**	**Qualifier**	**Associated Sample**

	Analyte				
S073514-CCV3	Dalapon	2	24.5	UJ/J	B311658, 4MS
S073514-CCV3	Dicamba	2	17.7	UJ/J	B311658, 4MS
S073514-CCV3	Dichloroprop	2	17.0	UJ/J	B311658, 4MS
S073514-CCV3	Dinoseb	2	22.0	UJ/J	B311658, 4MS
S073514-CCV3	MCPA	2	18.0	UJ/J	B311658, 4MS
S073514-CCV3	MCPP	2	21.8	UJ/J	B311658, 4MS
S073514-CCV4	Dalapon	1	20.9	UJ/J	4MSD
S073514-CCV4	Dinoseb	1	17.4	UJ/J	4MSD
S073514-CCV4	2,4-DB	2	18.3	UJ/J	4MSD
S073514-CCV4	2,4,5-T	2	16.3	UJ/J	4MSD
S073514-CCV4	Dalapon	2	23.8	UJ/J	4MSD
S073514-CCV4	Dicamba	2	16.4	UJ/J	4MSD
S073514-CCV4	Dichloroprop	2	15.8	UJ/J	4MSD
S073514-CCV4	Dinoseb	2	20.3	UJ/J	4MSD
S073514-CCV4	MCPA	2	16.4	UJ/J	4MSD
S073514-CCV4	MCPP	2	20.4	UJ/J	4MSD

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Sample, Compound Quantitation and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except several target analytes were detected in the blanks. These target analytes should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
B311372	Tl	.036mg/L	U at RL	None
B311816	Al	.028mg/L	U at RL	7
B311816	Fe	.030mg/L	U at RL	10
B311816	Fe	.030mg/L	JH	7
B311816	Pb	.0052mg/L	JH	11
B311816	Mg	.010mg/L	U at RL	10, 11
B311816	Mg	.010mg/L	JH	7
B311816	Zn	.0047mg/L	U at RL	7, 11
B312329	Hg	.000061mg/L	U at RL	14
S075146-CCB3	Mg	.036mg/L	JH	5
S076785-CCB4	Mn	.0041mg/L	JH	4, 13, 14
S076785-CCB5	Mn	.0039mg/L	JH	4, 13, 14

LABORATORY CONTROL SAMPLE

All criteria were met except a target analyte was outside QC limits in B311372-BS1/BSD1 and should be qualified as estimated.

LCS ID	Target Analyte	%RPD	Qualifier	Associaed Sample
B311372	Ag	64.3	UJ	5

Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD/DUPLICATE

All criteria were met.

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE

All criteria were met except As and Zn were detected in DUSR ID#5 but were not detected in #4. Boron was detected in DUSR ID#4 but was not recorded on Form 1 in DUSR ID#5.

SERIAL DILUTION

No serial dilution was performed.

COMPOUND QUANTITATION

All criteria were met except a couple of target analytes were detected in the sample blanks and should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration (mg/L)	Qualifier	Associated Sample
10	Ca	.16	JH	7
11	Pb	.013	U at RL	None

CALIBRATION

All criteria were met except several target analytes were outside QC limits in the calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
S075146-LCV1	Al	10.6	UJ/J	B311372, 5
S075146-LCV1	Fe	10.9	UJ/J	B311372, 5
S075146-LCV1	Pb	16.6	UJ/J	B311372, 5
S075146-LCV1	K	11.9	UJ/J	B311372, 5
S075146-LCV2	Tl	-19.2	UJ/J	B311372, 5
S075146-LCV2	Zn	-17.2	UJ/J	B311372, 5
S076785-LCV1	Fe	10.1	UJ/J	B311679-BLK, 4, 13, 14, 4MS/MSD
S077774-LCV1	As	-19.6	UJ/J	B311372, 5
S077780-LCV1	Al	13.5	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Sb	-10.6	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Ba	10.1	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Cd	12.1	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Cr	11.4	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Cu	11.3	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Fe	18.1	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Mg	10.2	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Mn	11.0	UJ/J	B311816, 7, 10, 11
S077780-LCV1	Tl	-11.3	UJ/J	B311816, 7, 10, 11
S077810-LCV1	Cu	16.5	UJ/J	B312455, 4RE1, 4RE1MS/MSD
S077810-LCV1	Se	15.8	UJ/J	B312455, 4RE1, 4RE1MS/MSD
S077810-LCV1	V	18.4	UJ/J	B312455, 4RE1, 4RE1MS/MSD
S088482-LCV1	Cr	10.3	UJ/J	B311679-BS2/BSD2
S088482-LCV1	Fe	10.6	UJ/J	B311679-BS2/BSD2
S088482-LCV1	Tl	13.6	UJ/J	B311679-BS2/BSD2
S088482-LCV1	Zn	19.0	UJ/J	B311679-BS2/BSD2
S092189-LCV1	Pb	12.6	UJ/J	11

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below.

CYANIDE

All criteria were met except Cn was detected above the MDL, below the reporting limit and is qualified as estimated in some blanks. This target analyte should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(mg/L)	Qualifier	Associated Sample
B311426	Cn	.27	U at RL	7, 10, 11
B311758	Cn	.0050	U at RL	13, 14

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151 samples were derivatized on 07/01/22.

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

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SOP-454 PFAS

Qualifications:

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-6:2FTS
22F1364-14[QNSB-CBGY-MW-9]

M2PFTA
22F1364-07[QNSB-CBGY-MW-7]

MPFBA
22F1364-09[QNSB-CBGY-MW-4]

MPFDoA
22F1364-07[QNSB-CBGY-MW-7]

SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

22F1364-07[QNSB-CBGY-MW-7], 22F1364-11[QNSB-CBGY-EB-02]

Aluminum
22F1364-07[QNSB-CBGY-MW-7]

Iron
22F1364-10[QNSB-CBGY-EB-01]

Magnesium
22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02]

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02]

Iron
22F1364-11[QNSB-CBGY-EB-02]

Lead
22F1364-07[QNSB-CBGY-MW-7], 22F1364-10[QNSB-CBGY-EB-01]

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Iron
22F1364-07[QNSB-CBGY-MW-7]

Magnesium
22F1364-07[QNSB-CBGY-MW-7]

Thallium
22F1364-05[QNSB-CBGY-DUP-1], B311372-BLK1

B-08

Continuing Calibration Blank (CCB) was greater than the method detection limit but less than the reporting limit.

Analyte & Samples(s) Qualified:

Iron
22F1364-05[QNSB-CBGY-DUP-1], S075146-CCB2

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Silver
B311372-BS1, B311372-BSD1

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MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

22F1364-04RE1[QNSB-CBGY-MW-3], B312455-MS1, B312455-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

B311679-MS1

Calcium

B312455-MS1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Lead

22F1364-11[QNSB-CBGY-EB-02], S092189-CCV2

SW-846 8151A

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

MCPP [2C]

B311658-MS1, B311658-MSD1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Dicamba [2C]

B311658-MS1, B311658-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

MCPP

B311658-MS1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

MCPA [2C]

B311658-MS1

P-04

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:

Dicamba

22F1364-14[QNSB-CBGY-MW-9]

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

MCPA [2C]

22F1364-04[QNSB-CBGY-MW-3], B311658-MSD1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4,5-T [2C]
B311658-MS1, B311658-MSD1

2,4,5-TP (Silvex) [2C]
B311658-MS1, B311658-MSD1

2,4-D [2C]
B311658-MS1

2,4-DB [2C]
B311658-MS1, B311658-MSD1

Dalapon
B311658-MS1, B311658-MSD1

Dalapon [2C]
B311658-BS1, B311658-BSD1, B311658-MS1, B311658-MSD1

Dicamba [2C]
B311658-MS1, B311658-MSD1

Dichloroprop [2C]
B311658-MS1, B311658-MSD1

Dinoseb
B311658-MS1, B311658-MSD1

Dinoseb [2C]
B311658-MS1, B311658-MSD1

MCPA [2C]
B311658-MS1, B311658-MSD1

MCPP [2C]
B311658-MS1, B311658-MSD1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Dalapon
22F1364-04[QNSB-CBGY-MW-3], 22F1364-05[QNSB-CBGY-DUP-1], 22F1364-07[QNSB-CBGY-MW-7], 22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02], 22F1364-13[QNSB-CBGY-MW-1], 22F1364-14[QNSB-CBGY-MW-9]

Dalapon [2C]
22F1364-04[QNSB-CBGY-MW-3], 22F1364-05[QNSB-CBGY-DUP-1], 22F1364-07[QNSB-CBGY-MW-7], 22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02], 22F1364-13[QNSB-CBGY-MW-1], 22F1364-14[QNSB-CBGY-MW-9]

Dinoseb
22F1364-04[QNSB-CBGY-MW-3], 22F1364-05[QNSB-CBGY-DUP-1], 22F1364-07[QNSB-CBGY-MW-7], 22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02], 22F1364-13[QNSB-CBGY-MW-1], 22F1364-14[QNSB-CBGY-MW-9]

Dinoseb [2C]
22F1364-04[QNSB-CBGY-MW-3], 22F1364-05[QNSB-CBGY-DUP-1], 22F1364-07[QNSB-CBGY-MW-7], 22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02], 22F1364-13[QNSB-CBGY-MW-1], 22F1364-14[QNSB-CBGY-MW-9]

V-24

Continuing calibration verification (CCV) was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

2,4,5-TP (Silvex)
22F1364-13[QNSB-CBGY-MW-1], 22F1364-14[QNSB-CBGY-MW-9]

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromoform
B311364-BS1, B311364-BSD1, B311364-MS1, B311364-MSD1, B311442-BS1, B311442-BSD1, S073101-CCV1, S073171-CCV1

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MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Bromoform
B311364-MS1, B311364-MSD1

Bromomethane
B311364-MS1, B311364-MSD1

Chloroethane
B311364-MS1, B311364-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Chloromethane
B311364-MSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Chloromethane
22F1364-01[Trip Blank_20220620], 22F1364-02[QNSB-CBGY-MW-2B], 22F1364-03[QNSB-CBGY-MW-2], 22F1364-04[QNSB-CBGY-MW-3], 22F1364-05[QNSB-CBGY-DUP-1], 22F1364-06[QNSB-CBGY-MW-6], 22F1364-07[QNSB-CBGY-MW-7], 22F1364-08[QNSB-CBGY-MW-5], 22F1364-09[QNSB-CBGY-MW-4], 22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02], 22F1364-12[Trip Blank_20220621], B311364-BLK1, B311364-BS1, B311364-BSD1, B311364-MS1, B311364-MSD1, B311442-BLK1, B311442-BS1, B311442-BSD1, S073101-CCV1, S073171-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1,2,2-Tetrachloroethane
B311442-BS1, B311442-BSD1, B311552-BS1, B311552-BSD1, S073171-CCV1, S073215-CCV1

Bromochloromethane
B311552-BS1, B311552-BSD1, S073215-CCV1

Bromoform
B311364-BS1, B311364-BSD1, B311364-MS1, B311364-MSD1, B311442-BS1, B311442-BSD1, B311552-BS1, B311552-BSD1, S073101-CCV1, S073171-CCV1, S073215-CCV1

Bromomethane
B311364-BS1, B311364-BSD1, B311364-MS1, B311364-MSD1, B311442-BS1, B311442-BSD1, B311552-BS1, B311552-BSD1, S073101-CCV1, S073171-CCV1, S073215-CCV1

Chlorobenzene
B311442-BS1, B311442-BSD1, S073171-CCV1

Chloroethane
B311364-BS1, B311364-BSD1, B311364-MS1, B311364-MSD1, B311552-BS1, B311552-BSD1, S073101-CCV1, S073215-CCV1

Styrene
B311442-BS1, B311442-BSD1, S073171-CCV1

Vinyl Chloride
B311552-BS1, B311552-BSD1, S073215-CCV1

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Caprolactam
22F1364-04[QNSB-CBGY-MW-3], 22F1364-05[QNSB-CBGY-DUP-1], 22F1364-07[QNSB-CBGY-MW-7], 22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02], 22F1364-13[QNSB-CBGY-MW-1], 22F1364-14[QNSB-CBGY-MW-9], B311664-BLK1, B311664-BS1, B311664-BSD1, B311769-BLK1, B311769-BS1, B311769-BSD1

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MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Caprolactam
22F1364-04[QNSB-CBGY-MW-3], B311664-MS1, B311664-MSD1

Hexachloroethane
22F1364-04[QNSB-CBGY-MW-3], B311664-MS1, B311664-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Phenol
B311664-MS1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

4,6-Dinitro-2-methylphenol
22F1364-04[QNSB-CBGY-MW-3], B311664-MS1, B311664-MSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B311664-BLK1, B311664-BS1, B311664-BSD1, B311769-BLK1, B311769-BS1, B311769-BSD1, S073301-CCV1, S073394-CCV1

4,6-Dinitro-2-methylphenol
B311664-BLK1, B311664-BS1, B311664-BSD1, B311769-BLK1, B311769-BS1, B311769-BSD1, S073301-CCV1, S073394-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether
B311664-BLK1, B311664-BS1, B311664-BSD1, B311769-BLK1, B311769-BS1, B311769-BSD1, S073301-CCV1, S073394-CCV1

N-Nitrosodi-n-propylamine
B311769-BLK1, B311769-BS1, B311769-BSD1, S073394-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B311664-BS1, B311664-BSD1, B311769-BS1, B311769-BSD1, S073301-CCV1, S073394-CCV1

4,6-Dinitro-2-methylphenol
B311664-BS1, B311664-BSD1, B311769-BS1, B311769-BSD1, S073301-CCV1, S073394-CCV1

V-19

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
22F1364-04[QNSB-CBGY-MW-3], 22F1364-05[QNSB-CBGY-DUP-1], 22F1364-07[QNSB-CBGY-MW-7], 22F1364-10[QNSB-CBGY-EB-01], 22F1364-11[QNSB-CBGY-EB-02], 22F1364-13[QNSB-CBGY-MW-1], 22F1364-14[QNSB-CBGY-MW-9], B311664-MS1, B311664-MSD1, S073509-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B311664-BLK1, B311769-BLK1

4,6-Dinitro-2-methylphenol
B311664-BLK1, B311769-BLK1

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V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine

S074770-ICV1

4-Chloroaniline

B311664-BLK1, B311664-BS1, B311664-BSD1, B311769-BLK1, B311769-BS1, B311769-BSD1, S073301-CCV1, S073394-CCV1, S074726-ICV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Nitroaniline

S074726-ICV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Kerry K. McGee
Project Manager

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220620 | Sampled: 6/20/2022 00:00

Sample ID: 22F1364-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220620 | Sampled: 6/20/2022 00:00

Sample ID: 22F1364-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 12:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.4	70-130		6/22/22 12:49
Toluene-d8	97.0	70-130		6/22/22 12:49
4-Bromofluorobenzene	97.8	70-130		6/22/22 12:49

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220620 | Sampled: 6/20/2022 00:00

Sample ID: 22F1364-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/22/22	6/22/22 12:49	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2B | Sampled: 6/20/2022 10:55

Sample ID: 22F1364-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,1-Dichloroethane	0.33	1.0	0.14	µg/L	1	J	SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2B | Sampled: 6/20/2022 10:55

Sample ID: 22F1364-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 13:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.8	70-130		6/22/22 13:45
Toluene-d8	97.9	70-130		6/22/22 13:45
4-Bromofluorobenzene	97.0	70-130		6/22/22 13:45

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2B | Sampled: 6/20/2022 10:55

Sample ID: 22F1364-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/22/22	6/22/22 13:45	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2B | Sampled: 6/20/2022 10:55

Sample ID: 22F1364-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.29	0.19	0.032	µg/L	1		SW-846 8270E	6/27/22	7/1/22 10:14	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	21.7	15-110		7/1/22 10:14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2B | Sampled: 6/20/2022 10:55

Sample ID: 22F1364-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	2.2	1.8	0.66	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorobutanesulfonic acid (PFBS)	1.0	1.8	0.25	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoropentanoic acid (PFPeA)	2.6	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorohexanoic acid (PFHxA)	3.8	1.8	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.54	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.43	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.39	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.83	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.56	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.67	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.20	1.8	0.17	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorohexanesulfonic acid (PFHxS)	3.2	1.8	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	0.62	1.8	0.32	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoropentanesulfonic acid (PFPeS)	0.87	1.8	0.23	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.24	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluoroheptanoic acid (PFHpA)	4.5	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorooctanoic acid (PFOA)	20	1.8	0.60	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.53	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:11	BLH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2 | Sampled: 6/20/2022 13:30

Sample ID: 22F1364-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2 | Sampled: 6/20/2022 13:30

Sample ID: 22F1364-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.0	70-130		6/22/22 14:12
Toluene-d8	97.6	70-130		6/22/22 14:12
4-Bromofluorobenzene	98.4	70-130		6/22/22 14:12

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2 | Sampled: 6/20/2022 13:30

Sample ID: 22F1364-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/22/22	6/22/22 14:12	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2 | Sampled: 6/20/2022 13:30

Sample ID: 22F1364-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.26	0.19	0.031	µg/L	1		SW-846 8270E	6/27/22	7/1/22 10:34	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	21.7	15-110			7/1/22 10:34

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-2 | Sampled: 6/20/2022 13:30

Sample ID: 22F1364-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.8	0.66	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorobutanesulfonic acid (PFBS)	0.50	1.8	0.25	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoropentanoic acid (PFPeA)	3.5	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorohexanoic acid (PFHxA)	4.5	1.8	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.54	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.44	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.39	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.83	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.56	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.67	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	0.17	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	21	1.8	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.23	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.24	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluoroheptanoic acid (PFHpA)	1.4	1.8	0.31	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorooctanoic acid (PFOA)	1.5	1.8	0.60	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorooctanesulfonic acid (PFOS)	1.7	1.8	0.53	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:19	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 14:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.0	70-130		6/22/22 14:40
Toluene-d8	98.4	70-130		6/22/22 14:40
4-Bromofluorobenzene	98.8	70-130		6/22/22 14:40

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/22/22	6/22/22 14:40	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	19	0.53	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Benzaldehyde	ND	9.6	0.43	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Biphenyl	ND	19	0.40	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Caprolactam	ND	9.6	0.27	µg/L	1	L-04, MS-09	SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
4-Chloroaniline	ND	9.6	0.55	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1	R-06	SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1	V-19	SW-846 8270E	6/27/22	7/5/22 17:10	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.6	0.71	µg/L	1	MS-09	SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:10	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	31.7	15-110		7/5/22 17:10
Phenol-d6	22.6	15-110		7/5/22 17:10
Nitrobenzene-d5	66.4	30-130		7/5/22 17:10
2-Fluorobiphenyl	56.5	30-130		7/5/22 17:10
2,4,6-Tribromophenol	70.9	15-110		7/5/22 17:10
p-Terphenyl-d14	70.6	30-130		7/5/22 17:10

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.57	0.19	0.031	µg/L	1		SW-846 8270E	6/27/22	7/1/22 10:53	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	17.3	15-110		7/1/22 10:53	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.7	1.9	0.70	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorobutanesulfonic acid (PFBS)	1.6	1.9	0.26	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoropentanoic acid (PFPeA)	7.3	1.9	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorohexanoic acid (PFHxA)	14	1.9	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.46	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.41	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.88	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.59	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.29	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.27	1.9	0.18	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorohexanesulfonic acid (PFHxS)	1.3	1.9	0.32	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.8	1.9	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoropentanesulfonic acid (PFPeS)	0.58	1.9	0.24	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluoroheptanoic acid (PFHpA)	7.3	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorooctanoic acid (PFOA)	12	1.9	0.64	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorooctanesulfonic acid (PFOS)	2.1	1.9	0.56	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH
Perfluorononanoic acid (PFNA)	0.53	1.9	0.32	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:26	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	13	µg/L	161367	8.464	1	000791-28-6	94	SW-846 8270E	6/27/22	7/5/22 17:10	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.049	0.017	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
gamma-Chlordane [1]	ND	0.049	0.019	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Aldrin [1]	ND	0.049	0.0034	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
alpha-BHC [1]	ND	0.049	0.025	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
beta-BHC [1]	ND	0.049	0.021	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
delta-BHC [1]	ND	0.049	0.028	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
gamma-BHC (Lindane) [1]	ND	0.029	0.0042	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
4,4'-DDD [1]	ND	0.039	0.0043	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
4,4'-DDE [1]	ND	0.039	0.0042	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
4,4'-DDT [1]	ND	0.039	0.0038	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Dieldrin [1]	ND	0.0019	0.00076	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Endosulfan I [1]	ND	0.049	0.024	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Endosulfan II [1]	ND	0.078	0.015	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Endosulfan sulfate [1]	ND	0.078	0.014	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Endrin [1]	ND	0.078	0.015	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Endrin aldehyde [1]	ND	0.078	0.017	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:27	TG
Endrin ketone [1]	ND	0.078	0.014	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Heptachlor [1]	ND	0.049	0.0043	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Heptachlor epoxide [1]	ND	0.049	0.0032	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Methoxychlor [1]	ND	0.49	0.051	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG
Toxaphene [1]	ND	0.97	0.31	µg/L	1		SW-846 8081B	6/27/22	7/3/22 12:31	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.0	30-150		7/3/22 12:31
Decachlorobiphenyl [1]	90.6	30-150		7/2/22 13:27
Decachlorobiphenyl [2]	86.2	30-150		7/3/22 12:31
Decachlorobiphenyl [2]	86.5	30-150		7/2/22 13:27
Tetrachloro-m-xylene [1]	61.8	30-150		7/2/22 13:27
Tetrachloro-m-xylene [1]	72.7	30-150		7/3/22 12:31
Tetrachloro-m-xylene [2]	70.4	30-150		7/2/22 13:27
Tetrachloro-m-xylene [2]	75.0	30-150		7/3/22 12:31

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	0.051	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB
Aroclor-1221 [1]	ND	0.19	0.077	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB
Aroclor-1232 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB
Aroclor-1242 [1]	ND	0.19	0.074	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB
Aroclor-1248 [1]	ND	0.19	0.086	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB
Aroclor-1254 [1]	ND	0.19	0.076	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB
Aroclor-1260 [1]	ND	0.19	0.060	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB
Aroclor-1262 [1]	ND	0.19	0.062	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB
Aroclor-1268 [1]	ND	0.19	0.075	µg/L	1		SW-846 8082A	6/27/22	7/3/22 12:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.4	30-150		7/3/22 12:03
Decachlorobiphenyl [2]	96.6	30-150		7/3/22 12:03
Tetrachloro-m-xylene [1]	77.7	30-150		7/3/22 12:03
Tetrachloro-m-xylene [2]	75.7	30-150		7/3/22 12:03

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.50	0.10	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:11	TG
2,4-DB [1]	ND	0.50	0.17	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:11	TG
2,4,5-TP (Silvex) [1]	ND	0.050	0.010	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:11	TG
2,4,5-T [1]	ND	0.10	0.024	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:11	TG
Dalalpon [1]	ND	1.2	0.17	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 13:11	TG
Dicamba [1]	ND	0.050	0.015	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:11	TG
Dichloroprop [1]	ND	0.50	0.19	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:11	TG
Dinoseb [1]	ND	0.25	0.047	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 13:11	TG
MCPA [1]	ND	50	9.4	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:11	TG
MCPP [1]	ND	50	9.8	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	65.7	30-150		7/3/22 13:11
2,4-Dichlorophenylacetic acid [2]	74.1	30-150		7/3/22 13:11

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Barium	0.026	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Calcium	100	0.50	0.11	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Chromium	0.0036	0.010	0.0025	mg/L	1	J	SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Copper	0.045	0.010	0.0036	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Iron	24	0.050	0.019	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Magnesium	51	0.050	0.0095	mg/L	1		SW-846 6010D	7/7/22	7/13/22 22:06	MJH
Manganese	1.5	0.010	0.0017	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	7/7/22	7/7/22 17:37	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Potassium	6.8	2.0	0.30	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Sodium	66	2.0	0.53	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Vanadium	0.0078	0.010	0.0031	mg/L	1	J	SW-846 6010D	7/7/22	7/12/22 0:21	QNW
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:34	QNW
Boron	0.10	0.10	0.084	mg/L	1		SW-846 6010D	7/7/22	7/13/22 22:06	MJH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-3 | Sampled: 6/20/2022 14:30

Sample ID: 22F1364-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SW-846 9014	6/22/22	6/23/22 11:03	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,1-Dichloroethane	0.44	1.0	0.14	µg/L	1	J	SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Methyl tert-Butyl Ether (MTBE)	0.27	1.0	0.17	µg/L	1	J	SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/22/22	6/22/22 15:07	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.3	70-130		6/22/22 15:07
Toluene-d8	96.9	70-130		6/22/22 15:07
4-Bromofluorobenzene	97.6	70-130		6/22/22 15:07

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/22/22	6/22/22 15:07	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Benzaldehyde	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Biphenyl	ND	20	0.40	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Caprolactam	ND	9.8	0.28	µg/L	1	L-04	SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Benzo(a)pyrene	ND	4.9	0.55	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Carbazole	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
4-Chloro-3-methylphenol	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Dibenz(a,h)anthracene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
3,3-Dichlorobenzidine	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2,4-Dimethylphenol	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Di-n-octylphthalate	ND	9.8	3.8	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Hexachlorobenzene	ND	9.8	0.49	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	V-19	SW-846 8270E	6/27/22	7/5/22 17:35	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.8	0.72	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.72	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2-Methylnaphthalene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2-Methylphenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
3-Nitroaniline	ND	9.8	0.57	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
4-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/27/22	7/5/22 17:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	38.2	15-110		7/5/22 17:35
Phenol-d6	25.4	15-110		7/5/22 17:35
Nitrobenzene-d5	79.6	30-130		7/5/22 17:35
2-Fluorobiphenyl	66.5	30-130		7/5/22 17:35
2,4,6-Tribromophenol	79.5	15-110		7/5/22 17:35
p-Terphenyl-d14	77.1	30-130		7/5/22 17:35

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.75	0.19	0.032	µg/L	1		SW-846 8270E	6/27/22	7/1/22 11:13	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	18.9	15-110		7/1/22 11:13

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.5	1.9	0.71	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorobutanesulfonic acid (PFBS)	0.92	1.9	0.27	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoropentanoic acid (PFPeA)	3.2	1.9	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorohexanoic acid (PFHxA)	4.3	1.9	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.47	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorohexanesulfonic acid (PFHxS)	0.75	1.9	0.32	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	0.59	1.9	0.35	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoropentanesulfonic acid (PFPeS)	0.31	1.9	0.25	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluoroheptanoic acid (PFHpA)	2.6	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorooctanoic acid (PFOA)	4.9	1.9	0.65	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorooctanesulfonic acid (PFOS)	1.2	1.9	0.57	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:33	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	13	µg/L	164934	8.466	1	000791-28-6	94	SW-846 8270E	6/27/22	7/5/22 17:35	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.052	0.019	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
gamma-Chlordane [1]	ND	0.052	0.020	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Aldrin [1]	ND	0.052	0.0036	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
alpha-BHC [1]	ND	0.052	0.027	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
beta-BHC [1]	ND	0.052	0.022	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
delta-BHC [1]	ND	0.052	0.030	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
gamma-BHC (Lindane) [1]	ND	0.031	0.0044	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
4,4'-DDD [1]	ND	0.041	0.0046	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
4,4'-DDE [1]	ND	0.041	0.0044	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
4,4'-DDT [1]	ND	0.041	0.0040	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Dieldrin [1]	ND	0.0021	0.00080	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Endosulfan I [1]	ND	0.052	0.025	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Endosulfan II [1]	ND	0.082	0.016	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Endosulfan sulfate [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Endrin [1]	ND	0.082	0.016	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Endrin aldehyde [1]	ND	0.082	0.018	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Endrin ketone [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Heptachlor [1]	ND	0.052	0.0046	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Heptachlor epoxide [1]	ND	0.052	0.0034	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Methoxychlor [1]	ND	0.52	0.054	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG
Toxaphene [1]	ND	1.0	0.32	µg/L	1		SW-846 8081B	6/27/22	7/2/22 13:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.9	30-150		7/2/22 13:56
Decachlorobiphenyl [2]	73.3	30-150		7/2/22 13:56
Tetrachloro-m-xylene [1]	54.9	30-150		7/2/22 13:56
Tetrachloro-m-xylene [2]	63.4	30-150		7/2/22 13:56

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.054	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB
Aroclor-1221 [1]	ND	0.21	0.081	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB
Aroclor-1232 [1]	ND	0.21	0.075	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB
Aroclor-1242 [1]	ND	0.21	0.079	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB
Aroclor-1248 [1]	ND	0.21	0.091	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB
Aroclor-1254 [1]	ND	0.21	0.080	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB
Aroclor-1260 [1]	ND	0.21	0.064	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB
Aroclor-1262 [1]	ND	0.21	0.066	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB
Aroclor-1268 [1]	ND	0.21	0.080	µg/L	1		SW-846 8082A	6/27/22	7/2/22 13:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.8	30-150		7/2/22 13:43
Decachlorobiphenyl [2]	78.3	30-150		7/2/22 13:43
Tetrachloro-m-xylene [1]	68.1	30-150		7/2/22 13:43
Tetrachloro-m-xylene [2]	67.1	30-150		7/2/22 13:43

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.49	0.10	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:50	TG
2,4-DB [1]	ND	0.49	0.16	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:50	TG
2,4,5-TP (Silvex) [1]	ND	0.049	0.0098	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:50	TG
2,4,5-T [1]	ND	0.097	0.024	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:50	TG
Dalalpon [1]	ND	1.2	0.16	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 13:50	TG
Dicamba [1]	ND	0.049	0.015	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:50	TG
Dichloroprop [1]	ND	0.49	0.18	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:50	TG
Dinoseb [1]	ND	0.24	0.045	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 13:50	TG
MCPA [1]	ND	49	9.2	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:50	TG
MCPP [1]	ND	49	9.5	µg/L	1		SW-846 8151A	6/27/22	7/3/22 13:50	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	67.9	30-150		7/3/22 13:50
2,4-Dichlorophenylacetic acid [2]	73.2	30-150		7/3/22 13:50

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Arsenic	0.0060	0.010	0.0047	mg/L	1	J	SW-846 6010D	6/22/22	6/28/22 9:42	ATP
Barium	0.030	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Calcium	120	0.50	0.11	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Chromium	0.0036	0.010	0.0025	mg/L	1	J	SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Copper	0.044	0.010	0.0036	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Iron	22	0.050	0.019	mg/L	1	B-08	SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Magnesium	58	0.050	0.0095	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Manganese	1.5	0.010	0.0017	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	7/6/22	7/6/22 17:17	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Potassium	6.2	2.0	0.30	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Sodium	63	2.0	0.53	mg/L	1		SW-846 6010D	6/22/22	6/28/22 9:42	ATP
Thallium	ND	0.050	0.019	mg/L	1	B-07	SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Vanadium	0.0082	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/22/22	6/25/22 17:20	MJH
Zinc	0.0060	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/22/22	6/25/22 17:20	MJH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-DUP-1 | Sampled: 6/20/2022 16:00

Sample ID: 22F1364-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SW-846 9014	6/22/22	6/23/22 11:03	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-6 | Sampled: 6/21/2022 09:05

Sample ID: 22F1364-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-6 | Sampled: 6/21/2022 09:05

Sample ID: 22F1364-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:00	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.8	70-130		6/24/22 4:00
Toluene-d8	96.0	70-130		6/24/22 4:00
4-Bromofluorobenzene	101	70-130		6/24/22 4:00

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-6 | Sampled: 6/21/2022 09:05

Sample ID: 22F1364-06

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/23/22	6/24/22 4:00	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-6 | Sampled: 6/21/2022 09:05

Sample ID: 22F1364-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.48	0.20	0.033	µg/L	1		SW-846 8270E	6/28/22	7/1/22 6:08	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	24.3	15-110		7/1/22 6:08	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-6 | Sampled: 6/21/2022 09:05

Sample ID: 22F1364-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.3	1.8	0.67	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorobutanesulfonic acid (PFBS)	2.9	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoropentanoic acid (PFPeA)	4.1	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorohexanoic acid (PFHxA)	9.6	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.44	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.40	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.85	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoro-1-butanesulfonamide (FBSA)	1.5	1.8	0.17	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorohexanesulfonic acid (PFHxS)	4.0	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoropentanesulfonic acid (PFPeS)	1.1	1.8	0.23	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluoroheptanoic acid (PFHpA)	10	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorooctanoic acid (PFOA)	24	1.8	0.61	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.54	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:40	BLH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:28	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.3	70-130		6/24/22 4:28
Toluene-d8	96.6	70-130		6/24/22 4:28
4-Bromofluorobenzene	101	70-130		6/24/22 4:28

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/23/22	6/24/22 4:28	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Benzaldehyde	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Biphenyl	ND	20	0.40	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Caprolactam	ND	9.8	0.28	µg/L	1	L-04	SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	V-19	SW-846 8270E	6/28/22	7/5/22 15:01	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.7	15-110		7/5/22 15:01
Phenol-d6	26.8	15-110		7/5/22 15:01
Nitrobenzene-d5	88.1	30-130		7/5/22 15:01
2-Fluorobiphenyl	76.3	30-130		7/5/22 15:01
2,4,6-Tribromophenol	91.9	15-110		7/5/22 15:01
p-Terphenyl-d14	92.2	30-130		7/5/22 15:01

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	1.4	0.20	0.032	µg/L	1		SW-846 8270E	6/28/22	7/1/22 6:27	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	25.8	15-110		7/1/22 6:27	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.4	1.9	0.72	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorobutanesulfonic acid (PFBS)	0.51	1.9	0.27	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoropentanoic acid (PFPeA)	1.9	1.9	0.38	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorohexanoic acid (PFHxA)	2.4	1.9	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.62	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.59	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.48	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.43	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.91	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.74	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.41	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.19	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorohexanesulfonic acid (PFHxS)	0.51	1.9	0.33	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.1	1.9	0.36	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoropentanesulfonic acid (PFPeS)	0.27	1.9	0.25	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluoroheptanoic acid (PFHpA)	1.4	1.9	0.34	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorooctanoic acid (PFOA)	2.6	1.9	0.66	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorooctanesulfonic acid (PFOS)	1.3	1.9	0.59	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:48	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	15	µg/L	161530	8.466	1	000791-28-6	93	SW-846 8270E	6/28/22	7/5/22 15:01	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.050	0.018	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
gamma-Chlordane [1]	ND	0.050	0.019	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Aldrin [1]	ND	0.050	0.0035	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
alpha-BHC [1]	ND	0.050	0.026	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
beta-BHC [1]	ND	0.050	0.021	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
delta-BHC [1]	ND	0.050	0.029	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
gamma-BHC (Lindane) [1]	ND	0.030	0.0043	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
4,4'-DDD [1]	ND	0.040	0.0045	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
4,4'-DDE [1]	ND	0.040	0.0043	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
4,4'-DDT [1]	ND	0.040	0.0039	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Dieldrin [1]	ND	0.0020	0.00078	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Endosulfan I [1]	ND	0.050	0.025	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Endosulfan II [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Endosulfan sulfate [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Endrin [1]	ND	0.080	0.016	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Endrin aldehyde [1]	ND	0.080	0.017	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Endrin ketone [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Heptachlor [1]	ND	0.050	0.0045	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Heptachlor epoxide [1]	ND	0.050	0.0033	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Methoxychlor [1]	ND	0.50	0.053	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG
Toxaphene [1]	ND	1.0	0.32	µg/L	1		SW-846 8081B	6/28/22	7/5/22 17:54	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.0	30-150		7/5/22 17:54
Decachlorobiphenyl [2]	68.9	30-150		7/5/22 17:54
Tetrachloro-m-xylene [1]	60.6	30-150		7/5/22 17:54
Tetrachloro-m-xylene [2]	64.7	30-150		7/5/22 17:54

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.053	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG
Aroclor-1221 [1]	ND	0.20	0.079	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG
Aroclor-1232 [1]	ND	0.20	0.073	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG
Aroclor-1242 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG
Aroclor-1248 [1]	ND	0.20	0.088	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG
Aroclor-1254 [1]	ND	0.20	0.078	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG
Aroclor-1260 [1]	ND	0.20	0.062	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG
Aroclor-1262 [1]	ND	0.20	0.064	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG
Aroclor-1268 [1]	ND	0.20	0.077	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.4	30-150		7/5/22 14:09
Decachlorobiphenyl [2]	76.7	30-150		7/5/22 14:09
Tetrachloro-m-xylene [1]	68.9	30-150		7/5/22 14:09
Tetrachloro-m-xylene [2]	67.3	30-150		7/5/22 14:09

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.49	0.10	µg/L	1		SW-846 8151A	6/27/22	7/3/22 14:30	TG
2,4-DB [1]	ND	0.49	0.16	µg/L	1		SW-846 8151A	6/27/22	7/3/22 14:30	TG
2,4,5-TP (Silvex) [1]	ND	0.049	0.0098	µg/L	1		SW-846 8151A	6/27/22	7/3/22 14:30	TG
2,4,5-T [1]	ND	0.097	0.024	µg/L	1		SW-846 8151A	6/27/22	7/3/22 14:30	TG
Dalalpon [1]	ND	1.2	0.16	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 14:30	TG
Dicamba [1]	ND	0.049	0.015	µg/L	1		SW-846 8151A	6/27/22	7/3/22 14:30	TG
Dichloroprop [1]	ND	0.49	0.18	µg/L	1		SW-846 8151A	6/27/22	7/3/22 14:30	TG
Dinoseb [1]	ND	0.24	0.045	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 14:30	TG
MCPA [1]	ND	49	9.2	µg/L	1		SW-846 8151A	6/27/22	7/3/22 14:30	TG
MCPP [1]	ND	49	9.5	µg/L	1		SW-846 8151A	6/27/22	7/3/22 14:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	63.7	30-150		7/3/22 14:30
2,4-Dichlorophenylacetic acid [2]	70.4	30-150		7/3/22 14:30

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.016	0.050	0.015	mg/L	1	B, J	SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Barium	0.55	0.050	0.0056	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Calcium	49	0.50	0.11	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Iron	9.8	0.050	0.019	mg/L	1	B-07	SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Lead	ND	0.010	0.0030	mg/L	1	B-05	SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Magnesium	38	0.050	0.0095	mg/L	1	B-07	SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Manganese	0.063	0.010	0.0017	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	7/6/22	7/6/22 17:18	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Potassium	6.4	2.0	0.30	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Sodium	42	2.0	0.53	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Vanadium	0.013	0.010	0.0031	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:11	QNW
Zinc	0.0067	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/28/22	7/5/22 17:11	QNW

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-7 | Sampled: 6/21/2022 12:05

Sample ID: 22F1364-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0082	0.010	0.0035	mg/L	1	J	SW-846 9014	6/23/22	6/24/22 15:03	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-5 | Sampled: 6/21/2022 09:35

Sample ID: 22F1364-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-5 | Sampled: 6/21/2022 09:35

Sample ID: 22F1364-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 4:56	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.1	70-130		6/24/22 4:56
Toluene-d8	95.5	70-130		6/24/22 4:56
4-Bromofluorobenzene	102	70-130		6/24/22 4:56

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-5 | Sampled: 6/21/2022 09:35

Sample ID: 22F1364-08

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/23/22	6/24/22 4:56	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-5 | Sampled: 6/21/2022 09:35

Sample ID: 22F1364-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.31	0.20	0.032	µg/L	1		SW-846 8270E	6/28/22	7/1/22 6:47	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	24.4	15-110		7/1/22 6:47	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-5 | Sampled: 6/21/2022 09:35

Sample ID: 22F1364-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorohexanoic acid (PFHxA)	0.40	1.9	0.36	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.46	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.41	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.88	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.59	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.29	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	0.67	1.9	0.34	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.24	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9	0.64	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorooctanesulfonic acid (PFOS)	1.3	1.9	0.56	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 16:55	BLH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-4 | Sampled: 6/21/2022 12:10

Sample ID: 22F1364-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-4 | Sampled: 6/21/2022 12:10

Sample ID: 22F1364-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 5:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.1	70-130		6/24/22 5:23
Toluene-d8	96.5	70-130		6/24/22 5:23
4-Bromofluorobenzene	103	70-130		6/24/22 5:23

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-4 | Sampled: 6/21/2022 12:10

Sample ID: 22F1364-09

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/23/22	6/24/22 5:23	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-4 | Sampled: 6/21/2022 12:10

Sample ID: 22F1364-09

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.55	0.19	0.031	µg/L	1		SW-846 8270E	6/28/22	7/5/22 8:49	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	26.2	15-110		7/5/22 8:49	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-4 | Sampled: 6/21/2022 12:10

Sample ID: 22F1364-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	12	1.8	0.67	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorobutanesulfonic acid (PFBS)	6.9	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoropentanoic acid (PFPeA)	18	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorohexanoic acid (PFHxA)	25	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.44	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.40	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.85	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoro-1-butanesulfonamide (FBSA)	2.0	1.8	0.17	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorohexanesulfonic acid (PFHxS)	4.5	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	16	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoropentanesulfonic acid (PFPeS)	2.8	1.8	0.23	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluoroheptanoic acid (PFHpA)	12	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorooctanoic acid (PFOA)	23	1.8	0.61	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorooctanesulfonic acid (PFOS)	3.2	1.8	0.54	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH
Perfluorononanoic acid (PFNA)	0.88	1.8	0.31	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:02	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.8	70-130		6/24/22 3:03
Toluene-d8	97.2	70-130		6/24/22 3:03
4-Bromofluorobenzene	101	70-130		6/24/22 3:03

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/23/22	6/24/22 3:03	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.55	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Benzaldehyde	ND	10	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Biphenyl	ND	20	0.41	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Caprolactam	ND	10	0.28	µg/L	1	L-04	SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Acenaphthene	ND	5.0	0.52	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Acetophenone	ND	10	0.53	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Benzo(a)anthracene	ND	5.0	0.41	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Benzo(a)pyrene	ND	5.0	0.57	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Benzo(k)fluoranthene	ND	5.0	0.49	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Bis(2-chloroethoxy)methane	ND	10	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Bis(2-chloroethyl)ether	ND	10	0.57	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.84	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
4-Bromophenylphenylether	ND	10	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Butylbenzylphthalate	ND	10	0.67	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Carbazole	ND	10	0.43	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
4-Chloroaniline	ND	10	0.58	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
4-Chloro-3-methylphenol	ND	10	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2-Chloronaphthalene	ND	10	0.49	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2-Chlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
4-Chlorophenylphenylether	ND	10	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Chrysene	ND	5.0	0.40	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Dibenz(a,h)anthracene	ND	5.0	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Dibenzofuran	ND	5.0	0.49	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Di-n-butylphthalate	ND	10	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
3,3-Dichlorobenzidine	ND	10	0.71	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2,4-Dichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2,4-Dimethylphenol	ND	10	0.70	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Dimethylphthalate	ND	10	0.38	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.0	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2,4-Dinitrophenol	ND	10	8.1	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2,4-Dinitrotoluene	ND	10	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2,6-Dinitrotoluene	ND	10	0.52	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Di-n-octylphthalate	ND	10	3.9	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Fluorene	ND	5.0	0.52	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Hexachlorobenzene	ND	10	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Hexachlorobutadiene	ND	10	0.77	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Hexachlorocyclopentadiene	ND	10	3.7	µg/L	1	V-19	SW-846 8270E	6/28/22	7/5/22 15:26	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.74	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.74	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Isophorone	ND	10	0.55	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2-Methylnaphthalene	ND	5.0	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2-Methylphenol	ND	10	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
3/4-Methylphenol	ND	10	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2-Nitroaniline	ND	10	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
3-Nitroaniline	ND	10	0.59	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
4-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Nitrobenzene	ND	10	0.63	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2-Nitrophenol	ND	10	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
4-Nitrophenol	ND	10	2.1	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.38	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
N-Nitrosodi-n-propylamine	ND	10	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Pentachlorophenol	ND	10	3.5	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Phenanthrene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Phenol	ND	10	0.23	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2,4,5-Trichlorophenol	ND	10	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL
2,4,6-Trichlorophenol	ND	10	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	31.7	15-110		7/5/22 15:26
Phenol-d6	21.8	15-110		7/5/22 15:26
Nitrobenzene-d5	65.4	30-130		7/5/22 15:26
2-Fluorobiphenyl	57.0	30-130		7/5/22 15:26
2,4,6-Tribromophenol	68.7	15-110		7/5/22 15:26
p-Terphenyl-d14	67.9	30-130		7/5/22 15:26

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	6/28/22	7/5/22 9:09	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	27.9	15-110			7/5/22 9:09

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoropentanoic acid (PFPeA)	1.3	1.8	0.36	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorohexanoic acid (PFHxA)	0.62	1.8	0.35	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.45	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.40	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.86	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	0.17	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	21	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.23	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorooctanoic acid (PFOA)	ND	1.8	0.62	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:09	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	14	µg/L	158992	8.464	1	000791-28-6	97	SW-846 8270E	6/28/22	7/5/22 15:26	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.051	0.018	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
gamma-Chlordane [1]	ND	0.051	0.019	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Aldrin [1]	ND	0.051	0.0036	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
alpha-BHC [1]	ND	0.051	0.026	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
beta-BHC [1]	ND	0.051	0.022	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
delta-BHC [1]	ND	0.051	0.030	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
gamma-BHC (Lindane) [1]	ND	0.031	0.0044	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
4,4'-DDD [1]	ND	0.041	0.0046	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
4,4'-DDE [1]	ND	0.041	0.0044	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
4,4'-DDT [1]	ND	0.041	0.0040	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Dieldrin [1]	ND	0.0020	0.00079	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Endosulfan I [1]	ND	0.051	0.025	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Endosulfan II [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Endosulfan sulfate [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Endrin [1]	ND	0.082	0.016	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Endrin aldehyde [1]	ND	0.082	0.017	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Endrin ketone [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Heptachlor [1]	ND	0.051	0.0046	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Heptachlor epoxide [1]	ND	0.051	0.0033	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Methoxychlor [1]	ND	0.51	0.054	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG
Toxaphene [1]	ND	1.0	0.32	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.6	30-150		7/5/22 18:22
Decachlorobiphenyl [2]	74.8	30-150		7/5/22 18:22
Tetrachloro-m-xylene [1]	58.7	30-150		7/5/22 18:22
Tetrachloro-m-xylene [2]	62.1	30-150		7/5/22 18:22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.054	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG
Aroclor-1221 [1]	ND	0.20	0.081	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG
Aroclor-1232 [1]	ND	0.20	0.074	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG
Aroclor-1242 [1]	ND	0.20	0.078	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG
Aroclor-1248 [1]	ND	0.20	0.090	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG
Aroclor-1254 [1]	ND	0.20	0.080	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG
Aroclor-1260 [1]	ND	0.20	0.063	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG
Aroclor-1262 [1]	ND	0.20	0.065	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG
Aroclor-1268 [1]	ND	0.20	0.079	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.8	30-150		7/5/22 14:27
Decachlorobiphenyl [2]	82.3	30-150		7/5/22 14:27
Tetrachloro-m-xylene [1]	68.4	30-150		7/5/22 14:27
Tetrachloro-m-xylene [2]	66.8	30-150		7/5/22 14:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.51	0.11	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:10	TG
2,4-DB [1]	ND	0.51	0.17	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:10	TG
2,4,5-TP (Silvex) [1]	ND	0.051	0.010	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:10	TG
2,4,5-T [1]	ND	0.10	0.025	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:10	TG
Dalalpon [1]	ND	1.3	0.17	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 15:10	TG
Dicamba [1]	ND	0.051	0.015	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:10	TG
Dichloroprop [1]	ND	0.51	0.19	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:10	TG
Dinoseb [1]	ND	0.25	0.047	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 15:10	TG
MCPA [1]	ND	51	9.5	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:10	TG
MCPP [1]	ND	51	9.9	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:10	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	71.1	30-150		7/3/22 15:10
2,4-Dichlorophenylacetic acid [2]	78.9	30-150		7/3/22 15:10

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Sample Flags: B-05

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Barium	ND	0.050	0.0056	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Calcium	0.16	0.50	0.11	mg/L	1	J	SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Iron	0.040	0.050	0.019	mg/L	1	B, J	SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Lead	ND	0.010	0.0030	mg/L	1	B-05	SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Magnesium	0.021	0.050	0.0095	mg/L	1	B, J	SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Manganese	ND	0.010	0.0017	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	7/6/22	7/6/22 17:20	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Potassium	ND	2.0	0.30	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Sodium	ND	2.0	0.53	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	6/28/22	7/5/22 17:17	QNW

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-01 | Sampled: 6/21/2022 14:45

Sample ID: 22F1364-10

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0094	0.010	0.0035	mg/L	1	J	SW-846 9014	6/23/22	6/24/22 15:03	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 3:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.3	70-130		6/24/22 3:32
Toluene-d8	95.8	70-130		6/24/22 3:32
4-Bromofluorobenzene	103	70-130		6/24/22 3:32

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/23/22	6/24/22 3:32	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Benzaldehyde	ND	9.9	0.44	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Biphenyl	ND	20	0.41	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Caprolactam	ND	9.9	0.28	µg/L	1	L-04	SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Acenaphthene	ND	5.0	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Acetophenone	ND	9.9	0.53	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Benzo(a)pyrene	ND	5.0	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Benzo(k)fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Butylbenzylphthalate	ND	9.9	0.67	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
4-Chloroaniline	ND	9.9	0.57	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Dibenz(a,h)anthracene	ND	5.0	0.68	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Dibenzofuran	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Di-n-butylphthalate	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
4,6-Dinitro-2-methylphenol	ND	9.9	7.0	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2,4-Dinitrophenol	ND	9.9	8.0	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2,4-Dinitrotoluene	ND	9.9	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Fluorene	ND	5.0	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Hexachlorobutadiene	ND	9.9	0.77	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1	V-19	SW-846 8270E	6/28/22	7/5/22 15:52	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.9	0.73	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.73	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Isophorone	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2-Nitroaniline	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
N-Nitrosodi-n-propylamine	ND	9.9	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Phenanthrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Phenol	ND	9.9	0.23	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL
2,4,6-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 15:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	27.6	15-110		7/5/22 15:52
Phenol-d6	19.2	15-110		7/5/22 15:52
Nitrobenzene-d5	61.2	30-130		7/5/22 15:52
2-Fluorobiphenyl	60.1	30-130		7/5/22 15:52
2,4,6-Tribromophenol	73.4	15-110		7/5/22 15:52
p-Terphenyl-d14	70.0	30-130		7/5/22 15:52

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	6/28/22	7/5/22 9:28	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	21.9	15-110		7/5/22 9:28	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.8	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.59	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	0.56	1.8	0.56	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.45	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.41	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.87	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.39	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.16	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	0.18	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.24	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorooctanoic acid (PFOA)	ND	1.8	0.63	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorooctanesulfonic acid (PFOS)	1.3	1.8	0.56	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:16	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	13	µg/L	153824	8.466	1	000791-28-6	96	SW-846 8270E	6/28/22	7/5/22 15:52	BGL

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Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.049	0.018	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
gamma-Chlordane [1]	ND	0.049	0.019	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Aldrin [1]	ND	0.049	0.0034	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
alpha-BHC [1]	ND	0.049	0.025	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
beta-BHC [1]	ND	0.049	0.021	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
delta-BHC [1]	ND	0.049	0.029	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
gamma-BHC (Lindane) [1]	ND	0.029	0.0042	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
4,4'-DDD [1]	ND	0.039	0.0044	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
4,4'-DDE [1]	ND	0.039	0.0042	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
4,4'-DDT [1]	ND	0.039	0.0038	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Dieldrin [1]	ND	0.0020	0.00076	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Endosulfan I [1]	ND	0.049	0.024	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Endosulfan II [1]	ND	0.078	0.015	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Endosulfan sulfate [1]	ND	0.078	0.014	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Endrin [1]	ND	0.078	0.015	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Endrin aldehyde [1]	ND	0.078	0.017	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Endrin ketone [1]	ND	0.078	0.014	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Heptachlor [1]	ND	0.049	0.0044	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Heptachlor epoxide [1]	ND	0.049	0.0032	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Methoxychlor [1]	ND	0.49	0.052	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG
Toxaphene [1]	ND	0.98	0.31	µg/L	1		SW-846 8081B	6/28/22	7/5/22 18:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.2	30-150		7/5/22 18:53
Decachlorobiphenyl [2]	71.4	30-150		7/5/22 18:53
Tetrachloro-m-xylene [1]	57.9	30-150		7/5/22 18:53
Tetrachloro-m-xylene [2]	63.8	30-150		7/5/22 18:53

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.052	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG
Aroclor-1221 [1]	ND	0.20	0.077	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG
Aroclor-1232 [1]	ND	0.20	0.071	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG
Aroclor-1242 [1]	ND	0.20	0.075	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG
Aroclor-1248 [1]	ND	0.20	0.087	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG
Aroclor-1254 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG
Aroclor-1260 [1]	ND	0.20	0.061	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG
Aroclor-1262 [1]	ND	0.20	0.062	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG
Aroclor-1268 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	6/28/22	7/5/22 14:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.5	30-150		7/5/22 14:44
Decachlorobiphenyl [2]	75.9	30-150		7/5/22 14:44
Tetrachloro-m-xylene [1]	71.8	30-150		7/5/22 14:44
Tetrachloro-m-xylene [2]	69.9	30-150		7/5/22 14:44

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Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.50	0.10	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:50	TG
2,4-DB [1]	ND	0.50	0.17	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:50	TG
2,4,5-TP (Silvex) [1]	ND	0.050	0.010	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:50	TG
2,4,5-T [1]	ND	0.099	0.024	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:50	TG
Dalalpon [1]	ND	1.2	0.17	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 15:50	TG
Dicamba [1]	ND	0.050	0.015	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:50	TG
Dichloroprop [1]	ND	0.50	0.19	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:50	TG
Dinoseb [1]	ND	0.25	0.046	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 15:50	TG
MCPA [1]	ND	50	9.3	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:50	TG
MCPP [1]	ND	50	9.7	µg/L	1		SW-846 8151A	6/27/22	7/3/22 15:50	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	65.6	30-150		7/3/22 15:50
2,4-Dichlorophenylacetic acid [2]	70.7	30-150		7/3/22 15:50

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Sample Flags: B-05

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Barium	ND	0.050	0.0056	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Calcium	ND	0.50	0.11	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Iron	ND	0.050	0.019	mg/L	1	B-05	SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Lead	0.013	0.010	0.0030	mg/L	1	V-06	SW-846 6010D	6/28/22	7/9/22 1:15	QNW
Magnesium	0.011	0.050	0.0095	mg/L	1	B, J	SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Manganese	ND	0.010	0.0017	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	7/6/22	7/6/22 17:22	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Potassium	ND	2.0	0.30	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Sodium	ND	2.0	0.53	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	6/28/22	7/5/22 18:06	QNW
Zinc	0.0048	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/28/22	7/5/22 18:06	QNW

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-EB-02 | Sampled: 6/21/2022 15:30

Sample ID: 22F1364-11

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0088	0.010	0.0035	mg/L	1	J	SW-846 9014	6/23/22	6/24/22 15:03	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220621 | Sampled: 6/21/2022 00:00

Sample ID: 22F1364-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220621 | Sampled: 6/21/2022 00:00

Sample ID: 22F1364-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/23/22	6/24/22 2:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.5	70-130		6/24/22 2:35
Toluene-d8	96.5	70-130		6/24/22 2:35
4-Bromofluorobenzene	102	70-130		6/24/22 2:35

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220621 | Sampled: 6/21/2022 00:00

Sample ID: 22F1364-12

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/23/22	6/24/22 2:35	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/24/22	6/24/22 14:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.0	70-130		6/24/22 14:40
Toluene-d8	98.2	70-130		6/24/22 14:40
4-Bromofluorobenzene	99.1	70-130		6/24/22 14:40

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/24/22	6/24/22 14:40	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Benzaldehyde	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Biphenyl	ND	20	0.40	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Caprolactam	ND	9.8	0.28	µg/L	1	L-04	SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Benzo(a)pyrene	ND	4.9	0.55	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Carbazole	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
4-Chloro-3-methylphenol	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Dibenz(a,h)anthracene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
3,3-Dichlorobenzidine	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2,4-Dimethylphenol	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Di-n-octylphthalate	ND	9.8	3.8	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Hexachlorobenzene	ND	9.8	0.49	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	V-19	SW-846 8270E	6/28/22	7/5/22 16:18	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.8	0.72	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.72	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2-Methylnaphthalene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2-Methylphenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
3-Nitroaniline	ND	9.8	0.57	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
4-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:18	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	38.6	15-110		7/5/22 16:18
Phenol-d6	25.8	15-110		7/5/22 16:18
Nitrobenzene-d5	87.2	30-130		7/5/22 16:18
2-Fluorobiphenyl	74.0	30-130		7/5/22 16:18
2,4,6-Tribromophenol	81.6	15-110		7/5/22 16:18
p-Terphenyl-d14	77.5	30-130		7/5/22 16:18

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.61	0.20	0.032	µg/L	1		SW-846 8270E	6/29/22	7/5/22 9:48	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	21.1	15-110		7/5/22 9:48	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.3	1.8	0.67	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorobutanesulfonic acid (PFBS)	1.3	1.8	0.25	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoropentanoic acid (PFPeA)	2.8	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorohexanoic acid (PFHxA)	3.4	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.44	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.40	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.85	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.49	1.8	0.17	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorohexanesulfonic acid (PFHxS)	1.2	1.8	0.31	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	34	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoropentanesulfonic acid (PFPeS)	0.59	1.8	0.23	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluoroheptanoic acid (PFHpA)	1.6	1.8	0.31	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorooctanoic acid (PFOA)	6.7	1.8	0.62	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorooctanesulfonic acid (PFOS)	1.2	1.8	0.54	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:31	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	13	µg/L	161996	8.464	1	000791-28-6	93	SW-846 8270E	6/28/22	7/5/22 16:18	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

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Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.048	0.017	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
gamma-Chlordane [1]	ND	0.048	0.018	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Aldrin [1]	ND	0.048	0.0034	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
alpha-BHC [1]	ND	0.048	0.025	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
beta-BHC [1]	ND	0.048	0.021	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
delta-BHC [1]	ND	0.048	0.028	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
gamma-BHC (Lindane) [1]	ND	0.029	0.0041	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
4,4'-DDD [1]	ND	0.038	0.0043	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
4,4'-DDE [1]	ND	0.038	0.0041	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
4,4'-DDT [1]	ND	0.038	0.0038	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Dieldrin [1]	ND	0.0019	0.00075	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Endosulfan I [1]	ND	0.048	0.024	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Endosulfan II [1]	ND	0.077	0.015	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Endosulfan sulfate [1]	ND	0.077	0.014	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Endrin [1]	ND	0.077	0.015	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Endrin aldehyde [1]	ND	0.077	0.016	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Endrin ketone [1]	ND	0.077	0.014	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Heptachlor [1]	ND	0.048	0.0043	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Heptachlor epoxide [1]	ND	0.048	0.0031	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Methoxychlor [1]	ND	0.48	0.051	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG
Toxaphene [1]	ND	0.96	0.30	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:23	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.3	30-150		7/5/22 19:23
Decachlorobiphenyl [2]	80.3	30-150		7/5/22 19:23
Tetrachloro-m-xylene [1]	59.6	30-150		7/5/22 19:23
Tetrachloro-m-xylene [2]	64.6	30-150		7/5/22 19:23

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	0.051	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG
Aroclor-1221 [1]	ND	0.19	0.076	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG
Aroclor-1232 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG
Aroclor-1242 [1]	ND	0.19	0.073	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG
Aroclor-1248 [1]	ND	0.19	0.085	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG
Aroclor-1254 [1]	ND	0.19	0.075	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG
Aroclor-1260 [1]	ND	0.19	0.060	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG
Aroclor-1262 [1]	ND	0.19	0.061	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG
Aroclor-1268 [1]	ND	0.19	0.074	µg/L	1		SW-846 8082A	6/29/22	7/5/22 11:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.4	30-150		7/5/22 11:52
Decachlorobiphenyl [2]	83.9	30-150		7/5/22 11:52
Tetrachloro-m-xylene [1]	68.4	30-150		7/5/22 11:52
Tetrachloro-m-xylene [2]	66.9	30-150		7/5/22 11:52

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.50	0.10	µg/L	1		SW-846 8151A	6/27/22	7/3/22 16:29	TG
2,4-DB [1]	ND	0.50	0.17	µg/L	1		SW-846 8151A	6/27/22	7/3/22 16:29	TG
2,4,5-TP (Silvex) [1]	1.7	0.50	0.10	µg/L	10	V-24	SW-846 8151A	6/27/22	7/4/22 5:59	TG
2,4,5-T [1]	ND	0.10	0.024	µg/L	1		SW-846 8151A	6/27/22	7/3/22 16:29	TG
Dalalpon [1]	ND	1.2	0.17	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 16:29	TG
Dicamba [1]	ND	0.050	0.015	µg/L	1		SW-846 8151A	6/27/22	7/3/22 16:29	TG
Dichloroprop [1]	ND	0.50	0.19	µg/L	1		SW-846 8151A	6/27/22	7/3/22 16:29	TG
Dinoseb [1]	ND	0.25	0.047	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 16:29	TG
MCPA [1]	ND	50	9.4	µg/L	1		SW-846 8151A	6/27/22	7/3/22 16:29	TG
MCPP [1]	ND	50	9.8	µg/L	1		SW-846 8151A	6/27/22	7/3/22 16:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	79.9	30-150		7/3/22 16:29
2,4-Dichlorophenylacetic acid [2]	81.1	30-150		7/3/22 16:29

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Barium	0.22	0.050	0.0056	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Calcium	100	0.50	0.11	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Chromium	0.0072	0.010	0.0025	mg/L	1	J	SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Copper	0.012	0.010	0.0036	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Iron	25	0.050	0.019	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Magnesium	56	0.050	0.0095	mg/L	1		SW-846 6010D	7/7/22	7/26/22 18:51	MJH
Manganese	0.37	0.010	0.0017	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	7/6/22	7/6/22 17:28	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Potassium	3.5	2.0	0.30	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Sodium	73	2.0	0.53	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW
Vanadium	0.011	0.010	0.0031	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:42	QNW
Zinc	0.041	0.010	0.0042	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:41	QNW

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-1 | Sampled: 6/22/2022 09:45

Sample ID: 22F1364-13

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0075	0.010	0.0035	mg/L	1	J	SW-846 9014	6/28/22	6/29/22 10:13	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/24/22	6/24/22 15:07	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.7	70-130		6/24/22 15:07
Toluene-d8	97.0	70-130		6/24/22 15:07
4-Bromofluorobenzene	98.5	70-130		6/24/22 15:07

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/24/22	6/24/22 15:07	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364
Date Received: 6/21/2022
Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55
Sample ID: 22F1364-14
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Benzaldehyde	ND	10	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Biphenyl	ND	20	0.42	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Caprolactam	ND	10	0.29	µg/L	1	L-04	SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Acenaphthene	ND	5.1	0.53	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Acenaphthylene	ND	5.1	0.49	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Acetophenone	ND	10	0.54	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Anthracene	ND	5.1	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Benzo(a)anthracene	ND	5.1	0.42	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Benzo(a)pyrene	ND	5.1	0.58	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Benzo(b)fluoranthene	ND	5.1	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Benzo(g,h,i)perylene	ND	5.1	0.62	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Benzo(k)fluoranthene	ND	5.1	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Bis(2-chloroethoxy)methane	ND	10	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Bis(2-chloroethyl)ether	ND	10	0.58	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.70	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.86	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
4-Bromophenylphenylether	ND	10	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Butylbenzylphthalate	ND	10	0.69	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Carbazole	ND	10	0.43	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
4-Chloroaniline	ND	10	0.59	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
4-Chloro-3-methylphenol	ND	10	0.57	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2-Chloronaphthalene	ND	10	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2-Chlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
4-Chlorophenylphenylether	ND	10	0.49	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Chrysene	ND	5.1	0.40	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Dibenz(a,h)anthracene	ND	5.1	0.70	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Dibenzofuran	ND	5.1	0.50	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Di-n-butylphthalate	ND	10	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
3,3-Dichlorobenzidine	ND	10	0.73	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2,4-Dichlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Diethylphthalate	ND	10	0.43	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2,4-Dimethylphenol	ND	10	0.72	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Dimethylphthalate	ND	10	0.38	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.2	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2,4-Dinitrophenol	ND	10	8.2	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2,4-Dinitrotoluene	ND	10	0.63	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2,6-Dinitrotoluene	ND	10	0.53	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Di-n-octylphthalate	ND	10	4.0	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Fluoranthene	ND	5.1	0.44	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Fluorene	ND	5.1	0.53	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Hexachlorobenzene	ND	10	0.52	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Hexachlorobutadiene	ND	10	0.79	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Hexachlorocyclopentadiene	ND	10	3.8	µg/L	1	V-19	SW-846 8270E	6/28/22	7/5/22 16:44	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.75	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Indeno(1,2,3-cd)pyrene	ND	5.1	0.76	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Isophorone	ND	10	0.56	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2-Methylnaphthalene	ND	5.1	0.71	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
3/4-Methylphenol	ND	10	0.47	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Naphthalene	ND	5.1	0.63	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2-Nitroaniline	ND	10	0.71	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
3-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
4-Nitroaniline	ND	10	0.61	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Nitrobenzene	ND	10	0.64	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2-Nitrophenol	ND	10	0.52	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
4-Nitrophenol	ND	10	2.1	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.39	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
N-Nitrosodi-n-propylamine	ND	10	0.63	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Pentachlorophenol	ND	10	3.6	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Phenanthrene	ND	5.1	0.49	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Phenol	ND	10	0.23	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
Pyrene	ND	5.1	0.62	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.67	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2,4,5-Trichlorophenol	ND	10	0.52	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL
2,4,6-Trichlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	6/28/22	7/5/22 16:44	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	33.3	15-110		7/5/22 16:44
Phenol-d6	22.6	15-110		7/5/22 16:44
Nitrobenzene-d5	73.9	30-130		7/5/22 16:44
2-Fluorobiphenyl	61.8	30-130		7/5/22 16:44
2,4,6-Tribromophenol	77.1	15-110		7/5/22 16:44
p-Terphenyl-d14	74.8	30-130		7/5/22 16:44

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.45	0.20	0.032	µg/L	1		SW-846 8270E	6/29/22	7/5/22 10:08	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	23.8	15-110			7/5/22 10:08

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.3	1.9	0.72	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorobutanesulfonic acid (PFBS)	2.6	1.9	0.27	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoropentanoic acid (PFPeA)	8.4	1.9	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorohexanoic acid (PFHxA)	9.6	1.9	0.37	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.62	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.38	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.59	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.48	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.43	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.91	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
N-EtFOSAA (NEtFOSAA)	0.76	1.9	0.61	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.74	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.41	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoro-1-butanesulfonamide (FBSA)	1.1	1.9	0.19	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.7	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	5.4	1.9	0.35	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoropentanesulfonic acid (PFPeS)	1.7	1.9	0.25	ng/L	1	J	SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.36	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluoroheptanoic acid (PFHpA)	6.0	1.9	0.33	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorooctanoic acid (PFOA)	10	1.9	0.66	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorooctanesulfonic acid (PFOS)	2.4	1.9	0.58	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	7/15/22	7/20/22 17:38	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	14	µg/L	167449	8.466	1	000791-28-6	93	SW-846 8270E	6/28/22	7/5/22 16:44	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.050	0.018	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
gamma-Chlordane [1]	ND	0.050	0.019	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Aldrin [1]	ND	0.050	0.0035	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
alpha-BHC [1]	ND	0.050	0.026	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
beta-BHC [1]	ND	0.050	0.021	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
delta-BHC [1]	ND	0.050	0.029	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
gamma-BHC (Lindane) [1]	ND	0.030	0.0043	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
4,4'-DDD [1]	ND	0.040	0.0045	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
4,4'-DDE [1]	ND	0.040	0.0043	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
4,4'-DDT [1]	ND	0.040	0.0039	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Dieldrin [1]	ND	0.0020	0.00078	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Endosulfan I [1]	ND	0.050	0.025	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Endosulfan II [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Endosulfan sulfate [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Endrin [1]	ND	0.080	0.016	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Endrin aldehyde [1]	ND	0.080	0.017	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Endrin ketone [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Heptachlor [1]	ND	0.050	0.0045	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Heptachlor epoxide [1]	ND	0.050	0.0033	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Methoxychlor [1]	ND	0.50	0.053	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG
Toxaphene [1]	ND	1.0	0.32	µg/L	1		SW-846 8081B	6/29/22	7/5/22 19:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.3	30-150		7/5/22 19:53
Decachlorobiphenyl [2]	76.0	30-150		7/5/22 19:53
Tetrachloro-m-xylene [1]	54.2	30-150		7/5/22 19:53
Tetrachloro-m-xylene [2]	59.3	30-150		7/5/22 19:53

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.053	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG
Aroclor-1221 [1]	ND	0.20	0.079	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG
Aroclor-1232 [1]	ND	0.20	0.073	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG
Aroclor-1242 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG
Aroclor-1248 [1]	ND	0.20	0.088	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG
Aroclor-1254 [1]	ND	0.20	0.078	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG
Aroclor-1260 [1]	ND	0.20	0.062	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG
Aroclor-1262 [1]	ND	0.20	0.064	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG
Aroclor-1268 [1]	ND	0.20	0.077	µg/L	1		SW-846 8082A	6/29/22	7/5/22 12:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.4	30-150		7/5/22 12:09
Decachlorobiphenyl [2]	82.0	30-150		7/5/22 12:09
Tetrachloro-m-xylene [1]	64.8	30-150		7/5/22 12:09
Tetrachloro-m-xylene [2]	63.4	30-150		7/5/22 12:09

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.50	0.10	µg/L	1		SW-846 8151A	6/27/22	7/3/22 17:09	TG
2,4-DB [1]	ND	0.50	0.17	µg/L	1		SW-846 8151A	6/27/22	7/3/22 17:09	TG
2,4,5-TP (Silvex) [1]	4.0	0.50	0.10	µg/L	10	V-24	SW-846 8151A	6/27/22	7/4/22 6:39	TG
2,4,5-T [1]	ND	0.10	0.024	µg/L	1		SW-846 8151A	6/27/22	7/3/22 17:09	TG
Dalalpon [1]	ND	1.2	0.17	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 17:09	TG
Dicamba [1]	0.039	0.050	0.015	µg/L	1	J, P-04	SW-846 8151A	6/27/22	7/3/22 17:09	TG
Dichloroprop [1]	ND	0.50	0.19	µg/L	1		SW-846 8151A	6/27/22	7/3/22 17:09	TG
Dinoseb [1]	ND	0.25	0.047	µg/L	1	V-20	SW-846 8151A	6/27/22	7/3/22 17:09	TG
MCPA [1]	ND	50	9.4	µg/L	1		SW-846 8151A	6/27/22	7/3/22 17:09	TG
MCPP [1]	ND	50	9.8	µg/L	1		SW-846 8151A	6/27/22	7/3/22 17:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	64.1	30-150		7/3/22 17:09
2,4-Dichlorophenylacetic acid [2]	131	30-150		7/3/22 17:09

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Barium	0.014	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Calcium	27	0.50	0.11	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Chromium	0.0047	0.010	0.0025	mg/L	1	J	SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Copper	0.035	0.010	0.0036	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Iron	5.9	0.050	0.019	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Magnesium	37	0.050	0.0095	mg/L	1		SW-846 6010D	7/7/22	7/26/22 19:11	MJH
Manganese	0.14	0.010	0.0017	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Mercury	0.000045	0.00010	0.000040	mg/L	1	J	SW-846 7470A	7/6/22	7/6/22 17:30	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Potassium	3.8	2.0	0.30	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Sodium	63	2.0	0.53	mg/L	1		SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/27/22	7/5/22 21:48	QNW
Vanadium	0.0099	0.010	0.0031	mg/L	1	J	SW-846 6010D	7/7/22	7/12/22 0:50	QNW
Zinc	0.0047	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/27/22	7/5/22 21:48	QNW

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: QNSB-CBGY-MW-9 | Sampled: 6/22/2022 09:55

Sample ID: 22F1364-14

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0069	0.010	0.0035	mg/L	1	J	SW-846 9014	6/28/22	6/29/22 10:13	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220622 | Sampled: 6/22/2022 00:00

Sample ID: 22F1364-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220622 | Sampled: 6/22/2022 00:00

Sample ID: 22F1364-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/24/22	6/24/22 13:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.2	70-130		6/24/22 13:45
Toluene-d8	97.3	70-130		6/24/22 13:45
4-Bromofluorobenzene	99.6	70-130		6/24/22 13:45

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F1364

Date Received: 6/21/2022

Field Sample #: Trip Blank_20220622 | Sampled: 6/22/2022 00:00

Sample ID: 22F1364-15

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/24/22	6/24/22 13:45	EEH

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B311364	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B311364-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Acetone	100	ND	93.6	93.6		70 - 130
Benzene	10.0	ND	10.4	104		70 - 130
Bromochloromethane	10.0	ND	12.2	122		70 - 130
Bromodichloromethane	10.0	ND	11.5	115		70 - 130
Bromoform	10.0	ND	13.9	139	*	70 - 130
Bromomethane	10.0	ND	14.4	144	*	70 - 130
2-Butanone (MEK)	100	ND	94.1	94.1		70 - 130
Carbon Disulfide	100	ND	128	128		70 - 130
Carbon Tetrachloride	10.0	ND	12.0	120		70 - 130
Chlorobenzene	10.0	ND	12.5	125		70 - 130
Chlorodibromomethane	10.0	ND	11.4	114		70 - 130
Chloroethane	10.0	ND	14.7	147	*	70 - 130
Chloroform	10.0	ND	11.1	111		70 - 130
Chloromethane	10.0	ND	7.85	78.5		70 - 130
Cyclohexane	10.0	ND	11.3	113		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	8.84	88.4		70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	12.0	120		70 - 130
1,2-Dichlorobenzene	10.0	ND	11.1	111		70 - 130
1,3-Dichlorobenzene	10.0	ND	11.4	114		70 - 130
1,4-Dichlorobenzene	10.0	ND	11.3	113		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	9.75	97.5		70 - 130
1,1-Dichloroethane	10.0	ND	11.3	113		70 - 130
1,2-Dichloroethane	10.0	ND	10.1	101		70 - 130
1,1-Dichloroethylene	10.0	ND	11.4	114		70 - 130
cis-1,2-Dichloroethylene	10.0	ND	10.7	107		70 - 130
trans-1,2-Dichloroethylene	10.0	ND	11.0	110		70 - 130
1,2-Dichloropropane	10.0	ND	11.4	114		70 - 130
cis-1,3-Dichloropropene	10.0	ND	10.1	101		70 - 130
trans-1,3-Dichloropropene	10.0	ND	9.72	97.2		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B311364	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B311364-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	94.3	94.3		0.703	30	70 - 130
Benzene	10.0	10.2	102		1.75	30	70 - 130
Bromochloromethane	10.0	11.4	114		7.04	30	70 - 130
Bromodichloromethane	10.0	11.0	110		4.16	30	70 - 130
Bromoform	10.0	13.2	132	*	4.87	30	70 - 130
Bromomethane	10.0	13.4	134	*	6.55	30	70 - 130
2-Butanone (MEK)	100	92.2	92.2		2.02	30	70 - 130
Carbon Disulfide	100	124	124		2.95	30	70 - 130
Carbon Tetrachloride	10.0	11.7	117		2.62	30	70 - 130
Chlorobenzene	10.0	12.3	123		1.85	30	70 - 130
Chlorodibromomethane	10.0	11.0	110		3.22	30	70 - 130
Chloroethane	10.0	14.0	140	*	4.45	30	70 - 130
Chloroform	10.0	10.9	109		1.64	30	70 - 130
Chloromethane	10.0	6.88	68.8	*	13.2	30	70 - 130
Cyclohexane	10.0	10.9	109		3.62	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.52	85.2		3.69	30	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.8	118		2.10	30	70 - 130
1,2-Dichlorobenzene	10.0	10.6	106		3.96	30	70 - 130
1,3-Dichlorobenzene	10.0	10.9	109		4.21	30	70 - 130
1,4-Dichlorobenzene	10.0	10.9	109		3.43	30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.64	96.4		1.13	30	70 - 130
1,1-Dichloroethane	10.0	10.6	106		5.57	30	70 - 130
1,2-Dichloroethane	10.0	9.76	97.6		3.32	30	70 - 130
1,1-Dichloroethylene	10.0	11.2	112		2.12	30	70 - 130
cis-1,2-Dichloroethylene	10.0	10.4	104		3.03	30	70 - 130
trans-1,2-Dichloroethylene	10.0	10.7	107		3.04	30	70 - 130
1,2-Dichloropropane	10.0	11.1	111		2.58	30	70 - 130
cis-1,3-Dichloropropene	10.0	9.73	97.3		3.73	30	70 - 130
trans-1,3-Dichloropropene	10.0	9.72	97.2		0.00	30	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B311364	Laboratory ID:	B311364-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	91.0	91.0		70 - 160
Benzene	10.0	9.68	96.8		70 - 130
Bromochloromethane	10.0	11.1	111		70 - 130
Bromodichloromethane	10.0	10.4	104		70 - 130
Bromoform	10.0	13.5	135	*	70 - 130
Bromomethane	10.0	13.2	132		40 - 160
2-Butanone (MEK)	100	93.2	93.2		40 - 160
Carbon Disulfide	100	120	120		70 - 130
Carbon Tetrachloride	10.0	10.9	109		70 - 130
Chlorobenzene	10.0	11.6	116		70 - 130
Chlorodibromomethane	10.0	11.0	110		70 - 130
Chloroethane	10.0	12.8	128		70 - 130
Chloroform	10.0	10.4	104		70 - 130
Chloromethane	10.0	9.68	96.8		40 - 160
Cyclohexane	10.0	9.96	99.6		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.93	89.3		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.3	113		70 - 130
1,2-Dichlorobenzene	10.0	10.7	107		70 - 130
1,3-Dichlorobenzene	10.0	10.7	107		70 - 130
1,4-Dichlorobenzene	10.0	10.6	106		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.32	93.2		40 - 160
1,1-Dichloroethane	10.0	10.1	101		70 - 130
1,2-Dichloroethane	10.0	9.48	94.8		70 - 130
1,1-Dichloroethylene	10.0	10.3	103		70 - 130
cis-1,2-Dichloroethylene	10.0	9.97	99.7		70 - 130
trans-1,2-Dichloroethylene	10.0	10.1	101		70 - 130
1,2-Dichloropropane	10.0	10.6	106		70 - 130
cis-1,3-Dichloropropene	10.0	9.81	98.1		70 - 130
trans-1,3-Dichloropropene	10.0	9.85	98.5		70 - 130
1,4-Dioxane	100	96.3	96.3		40 - 130
Ethylbenzene	10.0	11.2	112		70 - 130
2-Hexanone (MBK)	100	93.8	93.8		70 - 160
Isopropylbenzene (Cumene)	10.0	11.1	111		70 - 130
Methyl Acetate	10.0	9.18	91.8		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.65	96.5		70 - 130
Methyl Cyclohexane	10.0	10.4	104		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B311364	Laboratory ID:	B311364-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	10.0	10.6	106	70 - 130
4-Methyl-2-pentanone (MIBK)	100	96.2	96.2	70 - 160
Styrene	10.0	11.3	113	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.6	116	70 - 130
Tetrachloroethylene	10.0	11.6	116	70 - 130
Toluene	10.0	10.4	104	70 - 130
1,2,3-Trichlorobenzene	10.0	9.65	96.5	70 - 130
1,2,4-Trichlorobenzene	10.0	9.54	95.4	70 - 130
1,1,1-Trichloroethane	10.0	10.8	108	70 - 130
1,1,2-Trichloroethane	10.0	11.0	110	70 - 130
Trichloroethylene	10.0	11.3	113	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.7	107	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.5	115	70 - 130
Vinyl Chloride	10.0	11.1	111	40 - 160
m+p Xylene	20.0	22.1	111	70 - 130
o-Xylene	10.0	11.0	110	70 - 130
Xylenes (total)	30.0	33.1	110	0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	96.5	96.5		5.91	25	70 - 160
Benzene	10.0	10.1	101		4.64	25	70 - 130
Bromochloromethane	10.0	11.6	116		4.66	25	70 - 130
Bromodichloromethane	10.0	11.2	112		6.66	25	70 - 130
Bromoform	10.0	14.0	140	*	3.70	25	70 - 130
Bromomethane	10.0	14.0	140		5.86	25	40 - 160
2-Butanone (MEK)	100	99.8	99.8		6.79	25	40 - 160
Carbon Disulfide	100	123	123		2.86	25	70 - 130
Carbon Tetrachloride	10.0	11.4	114		4.13	25	70 - 130
Chlorobenzene	10.0	11.9	119		3.06	25	70 - 130
Chlorodibromomethane	10.0	11.3	113		2.41	25	70 - 130
Chloroethane	10.0	12.8	128		0.157	25	70 - 130
Chloroform	10.0	10.8	108		3.86	25	70 - 130
Chloromethane	10.0	8.21	82.1		16.4	25	40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B311442	Laboratory ID:	B311442-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	78.8	78.8		70 - 160
Benzene	10.0	9.15	91.5		70 - 130
Bromochloromethane	10.0	10.4	104		70 - 130
Bromodichloromethane	10.0	10.5	105		70 - 130
Bromoform	10.0	14.7	147	*	70 - 130
Bromomethane	10.0	13.3	133		40 - 160
2-Butanone (MEK)	100	86.1	86.1		40 - 160
Carbon Disulfide	100	107	107		70 - 130
Carbon Tetrachloride	10.0	10.2	102		70 - 130
Chlorobenzene	10.0	11.9	119		70 - 130
Chlorodibromomethane	10.0	11.3	113		70 - 130
Chloroethane	10.0	11.4	114		70 - 130
Chloroform	10.0	9.79	97.9		70 - 130
Chloromethane	10.0	7.65	76.5		40 - 160
Cyclohexane	10.0	8.95	89.5		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.55	85.5		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.7	117		70 - 130
1,2-Dichlorobenzene	10.0	10.7	107		70 - 130
1,3-Dichlorobenzene	10.0	10.8	108		70 - 130
1,4-Dichlorobenzene	10.0	10.8	108		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	8.66	86.6		40 - 160
1,1-Dichloroethane	10.0	9.40	94.0		70 - 130
1,2-Dichloroethane	10.0	8.95	89.5		70 - 130
1,1-Dichloroethylene	10.0	9.03	90.3		70 - 130
cis-1,2-Dichloroethylene	10.0	8.99	89.9		70 - 130
trans-1,2-Dichloroethylene	10.0	9.14	91.4		70 - 130
1,2-Dichloropropane	10.0	10.2	102		70 - 130
cis-1,3-Dichloropropene	10.0	9.69	96.9		70 - 130
trans-1,3-Dichloropropene	10.0	9.73	97.3		70 - 130
1,4-Dioxane	100	91.1	91.1		40 - 130
Ethylbenzene	10.0	11.4	114		70 - 130
2-Hexanone (MBK)	100	90.5	90.5		70 - 160
Isopropylbenzene (Cumene)	10.0	11.4	114		70 - 130
Methyl Acetate	10.0	8.78	87.8		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.43	94.3		70 - 130
Methyl Cyclohexane	10.0	9.99	99.9		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B311442	Laboratory ID:	B311442-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	10.0	9.11	91.1	70 - 130
4-Methyl-2-pentanone (MIBK)	100	92.3	92.3	70 - 160
Styrene	10.0	11.9	119	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.7	117	70 - 130
Tetrachloroethylene	10.0	11.8	118	70 - 130
Toluene	10.0	10.4	104	70 - 130
1,2,3-Trichlorobenzene	10.0	9.64	96.4	70 - 130
1,2,4-Trichlorobenzene	10.0	9.46	94.6	70 - 130
1,1,1-Trichloroethane	10.0	10.2	102	70 - 130
1,1,2-Trichloroethane	10.0	11.3	113	70 - 130
Trichloroethylene	10.0	11.2	112	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.44	94.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.0	100	70 - 130
Vinyl Chloride	10.0	11.0	110	40 - 160
m+p Xylene	20.0	22.5	113	70 - 130
o-Xylene	10.0	11.2	112	70 - 130
Xylenes (total)	30.0	33.7	112	0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	80.5	80.5		2.21	25	70 - 160
Benzene	10.0	8.98	89.8		1.88	25	70 - 130
Bromochloromethane	10.0	10.3	103		0.579	25	70 - 130
Bromodichloromethane	10.0	10.5	105		0.382	25	70 - 130
Bromoform	10.0	14.9	149	*	1.22	25	70 - 130
Bromomethane	10.0	13.5	135		1.34	25	40 - 160
2-Butanone (MEK)	100	81.4	81.4		5.62	25	40 - 160
Carbon Disulfide	100	105	105		1.87	25	70 - 130
Carbon Tetrachloride	10.0	10.2	102		0.685	25	70 - 130
Chlorobenzene	10.0	11.9	119		0.0841	25	70 - 130
Chlorodibromomethane	10.0	11.2	112		0.534	25	70 - 130
Chloroethane	10.0	11.6	116		1.57	25	70 - 130
Chloroform	10.0	9.57	95.7		2.27	25	70 - 130
Chloromethane	10.0	9.32	93.2		19.7	25	40 - 160

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	7.159683E-02	9.0			20	
Acrolein	5.172498E-02	9.1			20	
Acrylonitrile	0.1052471	6.7			20	
tert-Amyl Methyl Ether (TAME)	0.7209663	8.2			20	
Benzene	1.222011	2.8			20	
Bromobenzene	0.6260948	7.3			20	
Bromochloromethane	0.2164615	15.8			20	
Bromodichloromethane	0.2476398	9.4			20	
Bromoform	0.2154443	17.7			20	
Bromomethane	0.1573628	15.6			20	
2-Butanone (MEK)	0.121202	5.9			20	
tert-Butyl Alcohol (TBA)	2.292431E-02	11.7			20	
n-Butylbenzene	1.352282	14.3			20	
sec-Butylbenzene	1.802855	11.0			20	
tert-Butylbenzene	1.253487	10.8			20	
tert-Butyl Ethyl Ether (TBEE)	0.79178	8.0			20	
Carbon Disulfide	0.7967695	8.3			20	
Carbon Tetrachloride	0.3758494	9.0			20	
Chlorobenzene	1.046329	5.5			20	
Chlorodibromomethane	0.1869851	12.4			20	
Chloroethane	0.1804872	13.5			20	
2-Chloroethyl Vinyl Ether	0.1269573	10.0			20	
Chloroform	0.5125747	4.5			20	
Chloromethane	0.3417516	14.5			20	
2-Chlorotoluene	1.177333	4.8			20	
4-Chlorotoluene	1.18012	7.4			20	
Cyclohexane	0.5311212	6.5			20	
1,2-Dibromo-3-chloropropane (DBCP)	6.088938E-02	17.9			20	
1,2-Dibromoethane (EDB)	0.1626881	10.9			20	
Dibromomethane	0.1175663	6.3			20	
1,2-Dichlorobenzene	0.7237142	7.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	0.807913	9.2			20	
1,4-Dichlorobenzene	0.8249951	6.8			20	
trans-1,4-Dichloro-2-butene	0.1075568	11.3			20	
Dichlorodifluoromethane (Freon 12)	0.388165	6.7			20	
1,1-Dichloroethane	0.5225156	5.3			20	
1,2-Dichloroethane	0.257927	13.0			20	
1,1-Dichloroethylene	0.4222399	4.5			20	
cis-1,2-Dichloroethylene	0.4139672	5.1			20	
trans-1,2-Dichloroethylene	0.4209055	4.7			20	
Dichlorofluoromethane (Freon 21)	0.5179793	6.3			20	
1,2-Dichloropropane	0.2033845	5.9			20	
1,3-Dichloropropane	0.2792627	9.6			20	
2,2-Dichloropropane	0.3895988	6.6			20	
1,1-Dichloropropene	0.4005375	6.9			20	
cis-1,3-Dichloropropene	0.3065878	11.4			20	
trans-1,3-Dichloropropene	0.2426863	14.0			20	
Diethyl Ether	0.1934383	5.7			20	
Difluorochloromethane (Freon 22)	0.4034106	7.5			20	
Diisopropyl Ether (DIPE)	0.8727756	5.2			20	
1,4-Dioxane	2.088244E-03	8.5			20	
Ethyl Acetate	0.2454666	8.4			20	
Ethylbenzene	1.760677	7.7			20	
Hexachlorobutadiene	0.2072355	12.1			20	
2-Hexanone (MBK)	0.1139797	11.7			20	
Iodomethane	0.3812631	19.0			20	
Isopropylbenzene (Cumene)	1.744379	6.3			20	
p-Isopropyltoluene (p-Cymene)	1.469487	11.6			20	
Methyl Acetate	0.2306531	15.6			20	
Methyl tert-Butyl Ether (MTBE)	0.703102	7.8			20	
Methyl Cyclohexane	0.3318229	6.8			20	
Methylene Chloride	0.3681109	8.0			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
4-Methyl-2-pentanone (MIBK)	0.1679712	10.9			20	
Naphthalene	0.771276	17.0			20	
n-Propylbenzene	2.023007	8.8			20	
Styrene	1.00575	11.8			20	
1,1,1,2-Tetrachloroethane	0.3436871	10.3			20	
1,1,2,2-Tetrachloroethane	0.3970277	10.4			20	
Tetrachloroethylene	0.2229981	5.4			20	
Tetrahydrofuran	7.719281E-02	11.4			20	
Toluene	0.8432327	4.1			20	
1,2,3-Trichlorobenzene	0.2664118	16.8			20	
1,2,4-Trichlorobenzene	0.3606225	14.8			20	
1,3,5-Trichlorobenzene	0.4526021	13.7			20	
1,1,1-Trichloroethane	0.4099857	8.7			20	
1,1,2-Trichloroethane	0.1579222	8.3			20	
Trichloroethylene	0.2016221	6.4			20	
Trichlorofluoromethane (Freon 11)	0.439477	6.2			20	
1,2,3-Trichloropropane	0.304366	11.3			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.2881461	6.6			20	
1,2,3-Trimethylbenzene	1.37952	9.9			20	
1,2,4-Trimethylbenzene	1.396902	12.4			20	
1,3,5-Trimethylbenzene	1.283313	10.8			20	
Vinyl Acetate	0.6095244	9.9			20	
Vinyl Chloride	0.2174587	13.9			20	
m+p Xylene	1.393248	7.6			20	
o-Xylene	1.363976	7.5			20	
1,2-Dichloroethane-d4	0.4950766	2.1			20	
Toluene-d8	1.190889	1.2			20	
4-Bromofluorobenzene	0.8597184	2.0			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acetone	A	100	118	7.159683E-02	0.0843061		17.8	30	
Acrolein	A	100	26.9	5.172498E-02	1.393018E-02		-73.1	30	*
Acrylonitrile	A	10.0	10.1	0.1052471	0.1061924		0.9	30	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.1	0.7209663	0.7277661		0.9	30	
Benzene	A	10.0	9.89	1.222011	1.208739		-1.1	30	
Bromobenzene	A	10.0	10.8	0.6260948	0.6740082		7.7	30	
Bromochloromethane	A	10.0	10.8	0.2164615	0.2331615		7.7	30	
Bromodichloromethane	A	10.0	10.0	0.2476398	0.2478625		0.09	30	
Bromoform	A	10.0	11.2	0.2154443	0.2416618		12.2	30	
Bromomethane	A	10.0	10.2	0.1573628	0.1613513		2.5	30	
2-Butanone (MEK)	A	100	97.2	0.121202	0.1178482		-2.8	30	
tert-Butyl Alcohol (TBA)	A	100	92.8	2.292431E-02	2.128412E-02		-7.2	30	
n-Butylbenzene	A	10.0	10.8	1.352282	1.457815		7.8	30	
sec-Butylbenzene	A	10.0	11.4	1.802855	2.05115		13.8	30	
tert-Butylbenzene	A	10.0	11.0	1.253487	1.374203		9.6	30	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.3	0.79178	0.8134363		2.7	30	
Carbon Disulfide	A	10.0	11.6	0.7967695	0.9219723		15.7	30	
Carbon Tetrachloride	A	10.0	10.4	0.3758494	0.3890706		3.5	30	
Chlorobenzene	A	10.0	10.9	1.046329	1.137532		8.7	30	
Chlorodibromomethane	A	10.0	9.88	0.1869851	0.1846562		-1.2	30	
Chloroethane	A	10.0	8.74	0.1804872	0.1577612		-12.6	30	
Chloroform	A	10.0	10.1	0.5125747	0.5193928		1.3	30	
Chloromethane	A	10.0	8.04	0.3417516	0.2746975		-19.6	30	
2-Chlorotoluene	A	10.0	10.3	1.177333	1.209157		2.7	30	
4-Chlorotoluene	A	10.0	11.0	1.18012	1.302553		10.4	30	
Cyclohexane	A	10.0	10.8	0.5311212	0.5737267		8.0	30	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.8	6.088938E-02	6.606279E-02		8.5	30	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.1626881	0.1713314		5.3	30	
Dibromomethane	A	10.0	9.86	0.1175663	0.1159479		-1.4	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
1,2-Dichlorobenzene	A	10.0	11.0	0.7237142	0.7933398		9.6	30	
1,3-Dichlorobenzene	A	10.0	11.3	0.807913	0.9105337		12.7	30	
1,4-Dichlorobenzene	A	10.0	10.8	0.8249951	0.8930705		8.3	30	
trans-1,4-Dichloro-2-butene	A	10.0	9.45	0.1075568	0.1016926		-5.5	30	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.40	0.388165	0.3648793		-6.0	30	
1,1-Dichloroethane	A	10.0	10.4	0.5225156	0.5461735		4.5	30	
1,2-Dichloroethane	A	10.0	9.49	0.257927	0.2447904		-5.1	30	
1,1-Dichloroethylene	A	10.0	10.0	0.4222399	0.4229525		0.2	30	
cis-1,2-Dichloroethylene	A	10.0	10.2	0.4139672	0.4199944		1.5	30	
trans-1,2-Dichloroethylene	A	10.0	10.1	0.4209055	0.4242516		0.8	30	
Dichlorofluoromethane (Freon 21)	A	10.0	10.3	0.5179793	0.5341042		3.1	30	
1,2-Dichloropropane	A	10.0	10.5	0.2033845	0.2137053		5.1	30	
1,3-Dichloropropane	A	10.0	10.0	0.2792627	0.2791294		-0.05	30	
2,2-Dichloropropane	A	10.0	10.1	0.3895988	0.393872		1.1	30	
1,1-Dichloropropene	A	10.0	10.3	0.4005375	0.410769		2.6	30	
cis-1,3-Dichloropropene	A	10.0	10.2	0.3065878	0.3137168		2.3	30	
trans-1,3-Dichloropropene	A	10.0	10.6	0.2426863	0.2577698		6.2	30	
Diethyl Ether	A	10.0	11.2	0.1934383	0.2167911		12.1	30	
Difluorochloromethane (Freon 22)	A	10.0	9.13	0.4034106	0.3682412		-8.7	30	
Diisopropyl Ether (DIPE)	A	10.0	10.8	0.8727756	0.9401772		7.7	30	
1,4-Dioxane	A	100	90.0	2.088244E-03	1.879041E-03		-10.0	30	
Ethyl Acetate	A	10.0	9.91	0.2454666	0.2433524		-0.9	30	
Ethylbenzene	A	10.0	10.9	1.760677	1.925684		9.4	30	
Hexachlorobutadiene	A	10.0	11.2	0.2072355	0.2316274		11.8	30	
2-Hexanone (MBK)	A	100	105	0.1139797	0.1199556		5.2	30	
Iodomethane	A	10.0	13.4	0.3812631	0.5110365		34.0	30	*
Isopropylbenzene (Cumene)	A	10.0	10.7	1.744379	1.861856		6.7	30	
p-Isopropyltoluene (p-Cymene)	A	10.0	11.3	1.469487	1.666029		13.4	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.7	0.2306531	0.2475042		7.3	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.73	0.703102	0.6843079		-2.7	30
Methyl Cyclohexane	A	10.0	11.2	0.3318229	0.3703668		11.6	30
Methylene Chloride	A	10.0	9.72	0.3681109	0.357945		-2.8	30
4-Methyl-2-pentanone (MIBK)	A	100	99.8	0.1679712	0.1676582		-0.2	30
Naphthalene	A	10.0	10.0	0.771276	0.7735024		0.3	30
n-Propylbenzene	A	10.0	10.7	2.023007	2.16112		6.8	30
Styrene	A	10.0	10.9	1.00575	1.094303		8.8	30
1,1,1,2-Tetrachloroethane	A	10.0	11.1	0.3436871	0.382941		11.4	30
1,1,2,2-Tetrachloroethane	A	10.0	10.8	0.3970277	0.4295891		8.2	30
Tetrachloroethylene	A	10.0	10.4	0.2229981	0.2310536		3.6	30
Tetrahydrofuran	A	10.0	9.60	7.719281E-02	7.410994E-02		-4.0	30
Toluene	A	10.0	10.3	0.8432327	0.8720301		3.4	30
1,2,3-Trichlorobenzene	A	10.0	10.7	0.2664118	0.2854044		7.1	30
1,2,4-Trichlorobenzene	A	10.0	10.8	0.3606225	0.3889538		7.9	30
1,3,5-Trichlorobenzene	A	10.0	11.3	0.4526021	0.5128841		13.3	30
1,1,1-Trichloroethane	A	10.0	10.7	0.4099857	0.4380676		6.8	30
1,1,2-Trichloroethane	A	10.0	10.5	0.1579222	0.1658597		5.0	30
Trichloroethylene	A	10.0	10.6	0.2016221	0.21459		6.4	30
Trichlorofluoromethane (Freon 11)	A	10.0	9.84	0.439477	0.4323621		-1.6	30
1,2,3-Trichloropropane	A	10.0	11.0	0.304366	0.3347584		10.0	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.8	0.2881461	0.3111336		8.0	30
1,2,3-Trimethylbenzene	A	10.0	10.8	1.37952	1.485161		7.7	30
1,2,4-Trimethylbenzene	A	10.0	11.0	1.396902	1.529227		9.5	30
1,3,5-Trimethylbenzene	A	10.0	11.0	1.283313	1.411956		10.0	30
Vinyl Acetate	A	100	88.6	0.6095244	0.5402995		-11.4	30
Vinyl Chloride	A	10.0	9.69	0.2174587	0.2107082		-3.1	30
m+p Xylene	A	20.0	21.7	1.393248	1.514709		8.7	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V17301.D	Calibration Date:	01/04/22 07:35
Sequence:	S073101	Injection Date:	06/22/22
Lab Sample ID:	S073101-CCV1	Injection Time:	10:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	88.8	7.159683E-02	6.360108E-02		-11.2	20	
Benzene	A	10.0	9.57	1.222011	1.169275		-4.3	20	
Bromochloromethane	A	10.0	11.1	0.2164615	0.240737		11.2	20	
Bromodichloromethane	A	10.0	10.3	0.2476398	0.2547668		2.9	20	
Bromoform	A	10.0	13.0	0.2154443	0.2794153		29.7	20	*
Bromomethane	A	10.0	13.9	0.1573628	0.2189496		39.1	20	*
2-Butanone (MEK)	A	100	90.8	0.121202	0.1100037		-9.2	20	
Carbon Disulfide	A	100	120	0.7967695	0.9539474		19.7	20	
Carbon Tetrachloride	A	10.0	10.8	0.3758494	0.405252		7.8	20	
Chlorobenzene	A	10.0	11.5	1.046329	1.200094		14.7	20	
Chlorodibromomethane	A	10.0	10.8	0.1869851	0.2010434		7.5	20	
Chloroethane	A	10.0	12.2	0.1804872	0.2210228		22.5	20	*
Chloroform	A	10.0	10.5	0.5125747	0.5368291		4.7	20	
Chloromethane	A	10.0	7.91	0.3417516	0.270352		-20.9	20	*
Cyclohexane	A	10.0	10.0	0.5311212	0.5314815		0.07	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	8.91	6.088938E-02	5.424697E-02		-10.9	20	
1,2-Dibromoethane (EDB)	A	10.0	11.3	0.1626881	0.183294		12.7	20	
1,2-Dichlorobenzene	A	10.0	10.5	0.7237142	0.760373		5.1	20	
1,3-Dichlorobenzene	A	10.0	10.9	0.807913	0.8783478		8.7	20	
1,4-Dichlorobenzene	A	10.0	11.0	0.8249951	0.9035937		9.5	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.22	0.388165	0.3580249		-7.8	20	
1,1-Dichloroethane	A	10.0	10.2	0.5225156	0.5303384		1.5	20	
1,2-Dichloroethane	A	10.0	9.69	0.257927	0.2499168		-3.1	20	
1,1-Dichloroethylene	A	10.0	10.4	0.4222399	0.4400983		4.2	20	
cis-1,2-Dichloroethylene	A	10.0	10.0	0.4139672	0.4140483		0.02	20	
trans-1,2-Dichloroethylene	A	10.0	10.0	0.4209055	0.4222343		0.3	20	
1,2-Dichloropropane	A	10.0	10.5	0.2033845	0.2127675		4.6	20	
cis-1,3-Dichloropropene	A	10.0	9.95	0.3065878	0.3050259		-0.5	20	
trans-1,3-Dichloropropene	A	10.0	9.68	0.2426863	0.2348642		-3.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V17301.D	Calibration Date:	01/04/22 07:35
Sequence:	S073101	Injection Date:	06/22/22
Lab Sample ID:	S073101-CCV1	Injection Time:	10:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	89.7	2.088244E-03	1.872746E-03		-10.3	20
Ethylbenzene	A	10.0	11.2	1.760677	1.970177		11.9	20
2-Hexanone (MBK)	A	100	94.3	0.1139797	0.107457		-5.7	20
Isopropylbenzene (Cumene)	A	10.0	11.0	1.744379	1.918801		10.0	20
Methyl Acetate	A	10.0	9.43	0.2306531	0.2175255		-5.7	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.71	0.703102	0.6828213		-2.9	20
Methyl Cyclohexane	A	10.0	10.5	0.3318229	0.3487437		5.1	20
Methylene Chloride	A	10.0	10.8	0.3681109	0.3962037		7.6	20
4-Methyl-2-pentanone (MIBK)	A	100	95.7	0.1679712	0.1607253		-4.3	20
Styrene	A	10.0	11.3	1.00575	1.133619		12.7	20
1,1,2,2-Tetrachloroethane	A	10.0	11.5	0.3970277	0.457923		15.3	20
Tetrachloroethylene	A	10.0	11.6	0.2229981	0.2576401		15.5	20
Toluene	A	10.0	10.3	0.8432327	0.8669583		2.8	20
1,2,3-Trichlorobenzene	A	10.0	9.51	0.2664118	0.253406		-4.9	20
1,2,4-Trichlorobenzene	A	10.0	9.61	0.3606225	0.346383		-3.9	20
1,1,1-Trichloroethane	A	10.0	10.7	0.4099857	0.4370564		6.6	20
1,1,2-Trichloroethane	A	10.0	11.0	0.1579222	0.1740492		10.2	20
Trichloroethylene	A	10.0	11.1	0.2016221	0.2235747		10.9	20
Trichlorofluoromethane (Freon 11)	A	10.0	10.6	0.439477	0.4668555		6.2	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.5	0.2881461	0.3307155		14.8	20
Vinyl Chloride	A	10.0	12.0	0.2174587	0.2600347		19.6	20
m+p Xylene	A	20.0	21.9	1.393248	1.526903		9.6	20
o-Xylene	A	10.0	11.0	1.363976	1.494195		9.5	20
1,2-Dichloroethane-d4	A	25.0	23.4	0.4950766	0.4635869		-6.4	
Toluene-d8	A	25.0	24.4	1.190889	1.160787		-2.5	
4-Bromofluorobenzene	A	25.0	24.9	0.8597184	0.8553559		-0.5	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V17428.D	Calibration Date:	01/04/22 07:35
Sequence:	S073171	Injection Date:	06/23/22
Lab Sample ID:	S073171-CCV1	Injection Time:	22:56

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	83.4	7.159683E-02	5.967439E-02		-16.7	20	
Benzene	A	10.0	9.39	1.222011	1.14778		-6.1	20	
Bromochloromethane	A	10.0	10.6	0.2164615	0.2301416		6.3	20	
Bromodichloromethane	A	10.0	10.7	0.2476398	0.2646115		6.9	20	
Bromoform	A	10.0	15.2	0.2154443	0.3270074		51.8	20	*
Bromomethane	A	10.0	12.9	0.1573628	0.2036908		29.4	20	*
2-Butanone (MEK)	A	100	86.2	0.121202	0.1045256		-13.8	20	
Carbon Disulfide	A	100	103	0.7967695	0.8201508		2.9	20	
Carbon Tetrachloride	A	10.0	10.8	0.3758494	0.4038677		7.5	20	
Chlorobenzene	A	10.0	12.4	1.046329	1.294603		23.7	20	*
Chlorodibromomethane	A	10.0	11.5	0.1869851	0.2156231		15.3	20	
Chloroethane	A	10.0	11.2	0.1804872	0.202295		12.1	20	
Chloroform	A	10.0	10.1	0.5125747	0.5189922		1.3	20	
Chloromethane	A	10.0	6.98	0.3417516	0.2384965		-30.2	20	*
Cyclohexane	A	10.0	9.46	0.5311212	0.502458		-5.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	8.99	6.088938E-02	5.474387E-02		-10.1	20	
1,2-Dibromoethane (EDB)	A	10.0	12.0	0.1626881	0.1946011		19.6	20	
1,2-Dichlorobenzene	A	10.0	10.9	0.7237142	0.7859633		8.6	20	
1,3-Dichlorobenzene	A	10.0	10.8	0.807913	0.8731436		8.1	20	
1,4-Dichlorobenzene	A	10.0	10.9	0.8249951	0.8992343		9.0	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	8.56	0.388165	0.3322261		-14.4	20	
1,1-Dichloroethane	A	10.0	9.72	0.5225156	0.5076896		-2.8	20	
1,2-Dichloroethane	A	10.0	9.29	0.257927	0.2395462		-7.1	20	
1,1-Dichloroethylene	A	10.0	9.52	0.4222399	0.4018278		-4.8	20	
cis-1,2-Dichloroethylene	A	10.0	9.40	0.4139672	0.3889538		-6.0	20	
trans-1,2-Dichloroethylene	A	10.0	9.24	0.4209055	0.3890026		-7.6	20	
1,2-Dichloropropane	A	10.0	10.6	0.2033845	0.2149714		5.7	20	
cis-1,3-Dichloropropene	A	10.0	9.81	0.3065878	0.3007133		-1.9	20	
trans-1,3-Dichloropropene	A	10.0	9.85	0.2426863	0.2390207		-1.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V17428.D	Calibration Date:	01/04/22 07:35
Sequence:	S073171	Injection Date:	06/23/22
Lab Sample ID:	S073171-CCV1	Injection Time:	22:56

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	92.3	2.088244E-03	1.927722E-03		-7.7	20	
Ethylbenzene	A	10.0	11.9	1.760677	2.094157		18.9	20	
2-Hexanone (MBK)	A	100	93.8	0.1139797	0.1068747		-6.2	20	
Isopropylbenzene (Cumene)	A	10.0	11.9	1.744379	2.0797		19.2	20	
Methyl Acetate	A	10.0	9.07	0.2306531	0.2092737		-9.3	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.80	0.703102	0.6892241		-2.0	20	
Methyl Cyclohexane	A	10.0	10.3	0.3318229	0.3415452		2.9	20	
Methylene Chloride	A	10.0	9.38	0.3681109	0.3451391		-6.2	20	
4-Methyl-2-pentanone (MIBK)	A	100	97.2	0.1679712	0.1632775		-2.8	20	
Styrene	A	10.0	12.2	1.00575	1.231881		22.5	20	*
1,1,2,2-Tetrachloroethane	A	10.0	12.2	0.3970277	0.4833812		21.7	20	*
Tetrachloroethylene	A	10.0	11.8	0.2229981	0.2623832		17.7	20	
Toluene	A	10.0	10.5	0.8432327	0.8860512		5.1	20	
1,2,3-Trichlorobenzene	A	10.0	9.02	0.2664118	0.2403937		-9.8	20	
1,2,4-Trichlorobenzene	A	10.0	9.30	0.3606225	0.335276		-7.0	20	
1,1,1-Trichloroethane	A	10.0	10.5	0.4099857	0.4312458		5.2	20	
1,1,2-Trichloroethane	A	10.0	11.8	0.1579222	0.1857228		17.6	20	
Trichloroethylene	A	10.0	11.4	0.2016221	0.2299461		14.0	20	
Trichlorofluoromethane (Freon 11)	A	10.0	10.0	0.439477	0.4412502		0.4	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.8	0.2881461	0.3112509		8.0	20	
Vinyl Chloride	A	10.0	11.3	0.2174587	0.2466953		13.4	20	
m+p Xylene	A	20.0	23.2	1.393248	1.613882		15.8	20	
o-Xylene	A	10.0	11.5	1.363976	1.568769		15.0	20	
1,2-Dichloroethane-d4	A	25.0	20.6	0.4950766	0.4071668		-17.8		
Toluene-d8	A	25.0	24.0	1.190889	1.141211		-4.2		
4-Bromofluorobenzene	A	25.0	25.9	0.8597184	0.8897256		3.5		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V17507.D	Calibration Date:	01/04/22 07:35
Sequence:	S073215	Injection Date:	06/24/22
Lab Sample ID:	S073215-CCV1	Injection Time:	11:26

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	96.5	7.159683E-02	6.906275E-02		-3.5	20	
Benzene	A	10.0	9.91	1.222011	1.210889		-0.9	20	
Bromochloromethane	A	10.0	12.3	0.2164615	0.2669754		23.3	20	*
Bromodichloromethane	A	10.0	11.3	0.2476398	0.2806091		13.3	20	
Bromoform	A	10.0	13.6	0.2154443	0.2934376		36.2	20	*
Bromomethane	A	10.0	13.4	0.1573628	0.2114748		34.4	20	*
2-Butanone (MEK)	A	100	100	0.121202	0.1215445		0.3	20	
Carbon Disulfide	A	100	116	0.7967695	0.9244483		16.0	20	
Carbon Tetrachloride	A	10.0	11.0	0.3758494	0.4148704		10.4	20	
Chlorobenzene	A	10.0	11.9	1.046329	1.242058		18.7	20	
Chlorodibromomethane	A	10.0	11.7	0.1869851	0.2190232		17.1	20	
Chloroethane	A	10.0	13.4	0.1804872	0.241173		33.6	20	*
Chloroform	A	10.0	10.8	0.5125747	0.5522593		7.7	20	
Chloromethane	A	10.0	8.04	0.3417516	0.2747672		-19.6	20	
Cyclohexane	A	10.0	10.1	0.5311212	0.5367928		1.1	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.22	6.088938E-02	5.616915E-02		-7.8	20	
1,2-Dibromoethane (EDB)	A	10.0	12.0	0.1626881	0.1953723		20.1	20	*
1,2-Dichlorobenzene	A	10.0	11.0	0.7237142	0.7931065		9.6	20	
1,3-Dichlorobenzene	A	10.0	11.3	0.807913	0.9115109		12.8	20	
1,4-Dichlorobenzene	A	10.0	11.2	0.8249951	0.9264959		12.3	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	8.87	0.388165	0.344244		-11.3	20	
1,1-Dichloroethane	A	10.0	10.6	0.5225156	0.552717		5.8	20	
1,2-Dichloroethane	A	10.0	10.1	0.257927	0.2616453		1.4	20	
1,1-Dichloroethylene	A	10.0	10.5	0.4222399	0.4419501		4.7	20	
cis-1,2-Dichloroethylene	A	10.0	10.4	0.4139672	0.4327532		4.5	20	
trans-1,2-Dichloroethylene	A	10.0	10.3	0.4209055	0.4339347		3.1	20	
1,2-Dichloropropane	A	10.0	11.3	0.2033845	0.2298682		13.0	20	
cis-1,3-Dichloropropene	A	10.0	10.7	0.3065878	0.3281411		7.0	20	
trans-1,3-Dichloropropene	A	10.0	10.5	0.2426863	0.254559		4.9	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V17507.D	Calibration Date:	01/04/22 07:35
Sequence:	S073215	Injection Date:	06/24/22
Lab Sample ID:	S073215-CCV1	Injection Time:	11:26

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	100	2.088244E-03	2.091736E-03		0.2	20	
Ethylbenzene	A	10.0	11.5	1.760677	2.021604		14.8	20	
2-Hexanone (MBK)	A	100	108	0.1139797	0.1228509		7.8	20	
Isopropylbenzene (Cumene)	A	10.0	11.4	1.744379	1.982076		13.6	20	
Methyl Acetate	A	10.0	10.2	0.2306531	0.2352014		2.0	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.7	0.703102	0.7510458		6.8	20	
Methyl Cyclohexane	A	10.0	10.8	0.3318229	0.3567985		7.5	20	
Methylene Chloride	A	10.0	11.5	0.3681109	0.4223748		14.7	20	
4-Methyl-2-pentanone (MIBK)	A	100	109	0.1679712	0.182911		8.9	20	
Styrene	A	10.0	11.7	1.00575	1.175744		16.9	20	
1,1,2,2-Tetrachloroethane	A	10.0	12.2	0.3970277	0.4830573		21.7	20	*
Tetrachloroethylene	A	10.0	11.2	0.2229981	0.2502136		12.2	20	
Toluene	A	10.0	10.7	0.8432327	0.9058867		7.4	20	
1,2,3-Trichlorobenzene	A	10.0	9.82	0.2664118	0.2614997		-1.8	20	
1,2,4-Trichlorobenzene	A	10.0	10.2	0.3606225	0.3678211		2.0	20	
1,1,1-Trichloroethane	A	10.0	10.9	0.4099857	0.4463463		8.9	20	
1,1,2-Trichloroethane	A	10.0	11.7	0.1579222	0.1851439		17.2	20	
Trichloroethylene	A	10.0	11.3	0.2016221	0.2280706		13.1	20	
Trichlorofluoromethane (Freon 11)	A	10.0	10.4	0.439477	0.4579701		4.2	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.3	0.2881461	0.3263931		13.3	20	
Vinyl Chloride	A	10.0	15.3	0.2174587	0.3336207		53.4	20	*
m+p Xylene	A	20.0	22.3	1.393248	1.555052		11.6	20	
o-Xylene	A	10.0	11.3	1.363976	1.53732		12.7	20	
1,2-Dichloroethane-d4	A	25.0	23.4	0.4950766	0.4638586		-6.3		
Toluene-d8	A	25.0	24.3	1.190889	1.155488		-3.0		
4-Bromofluorobenzene	A	25.0	25.2	0.8597184	0.8670776		0.9		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B311664	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B311664-MS1
Initial/Final:	1040 mL / 1 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Atrazine	48.1	ND	36.8	76.5		40 - 140
Benzaldehyde	48.1	ND	21.3	44.3		40 - 140
Biphenyl	48.1	ND	28.3	58.9		40 - 140
Acenaphthene	48.1	ND	27.9	58.1		40 - 140
Caprolactam	48.1	ND	9.76	20.3	*	40 - 140
Acenaphthylene	48.1	ND	27.9	58.1		40 - 140
Acetophenone	48.1	ND	24.0	50.0		40 - 140
Anthracene	48.1	ND	31.5	65.6		40 - 140
Benzo(a)anthracene	48.1	ND	32.2	67.0		40 - 140
Benzo(a)pyrene	48.1	ND	30.8	64.0		40 - 140
Benzo(b)fluoranthene	48.1	ND	33.2	69.0		40 - 140
Benzo(g,h,i)perylene	48.1	ND	31.1	64.7		40 - 140
Benzo(k)fluoranthene	48.1	ND	34.1	70.9		40 - 140
Bis(2-chloroethoxy)methane	48.1	ND	28.5	59.4		40 - 140
Bis(2-chloroethyl)ether	48.1	ND	24.8	51.6		40 - 140
Bis(2-chloroisopropyl)ether	48.1	ND	27.2	56.7		40 - 140
Bis(2-Ethylhexyl)phthalate	48.1	ND	35.7	74.2		40 - 140
4-Bromophenylphenylether	48.1	ND	32.2	67.0		40 - 140
Butylbenzylphthalate	48.1	ND	34.0	70.6		40 - 140
Carbazole	48.1	ND	33.8	70.3		40 - 140
4-Chloroaniline	48.1	ND	26.2	54.6		40 - 140
4-Chloro-3-methylphenol	48.1	ND	30.7	63.9		30 - 130
2-Chloronaphthalene	48.1	ND	24.8	51.6		40 - 140
2-Chlorophenol	48.1	ND	23.7	49.3		30 - 130
4-Chlorophenylphenylether	48.1	ND	30.7	63.9		40 - 140
Chrysene	48.1	ND	32.3	67.3		40 - 140
Dibenz(a,h)anthracene	48.1	ND	32.7	68.0		40 - 140
Dibenzofuran	48.1	ND	30.0	62.4		40 - 140
Di-n-butylphthalate	48.1	ND	35.9	74.6		40 - 140
3,3-Dichlorobenzidine	48.1	ND	35.1	73.0		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B311664	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B311664-MS1
Initial/Final:	1040 mL / 1 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
2,4-Dichlorophenol	48.1	ND	28.0	58.1		30 - 130
Diethylphthalate	48.1	ND	33.1	68.8		40 - 140
2,4-Dimethylphenol	48.1	ND	30.0	62.5		30 - 130
Dimethylphthalate	48.1	ND	32.2	67.0		40 - 140
4,6-Dinitro-2-methylphenol	48.1	ND	33.0	68.6		30 - 130
2,4-Dinitrophenol	48.1	ND	29.3	61.0		30 - 130
2,4-Dinitrotoluene	48.1	ND	30.3	63.0		40 - 140
2,6-Dinitrotoluene	48.1	ND	30.8	64.1		40 - 140
Di-n-octylphthalate	48.1	ND	35.2	73.3		40 - 140
Fluoranthene	48.1	ND	34.8	72.3		40 - 140
Fluorene	48.1	ND	30.2	62.8		40 - 140
Hexachlorobenzene	48.1	ND	31.2	64.9		40 - 140
Hexachlorobutadiene	48.1	ND	19.4	40.4		40 - 140
Hexachlorocyclopentadiene	48.1	ND	22.7	47.2		30 - 130
Hexachloroethane	48.1	ND	14.7	30.6	*	40 - 140
Indeno(1,2,3-cd)pyrene	48.1	ND	31.3	65.0		40 - 140
Isophorone	48.1	ND	29.3	60.9		40 - 140
2-Methylnaphthalene	48.1	ND	27.7	57.5		40 - 140
2-Methylphenol	48.1	ND	22.7	47.3		30 - 130
3/4-Methylphenol	48.1	ND	21.2	44.1		30 - 130
Naphthalene	48.1	ND	23.7	49.2		40 - 140
2-Nitroaniline	48.1	ND	30.2	62.9		40 - 140
3-Nitroaniline	48.1	ND	29.4	61.1		40 - 140
4-Nitroaniline	48.1	ND	32.9	68.5		40 - 140
Nitrobenzene	48.1	ND	24.6	51.1		40 - 140
2-Nitrophenol	48.1	ND	26.0	54.1		30 - 130
4-Nitrophenol	48.1	ND	17.1	35.5		30 - 130
N-Nitrosodiphenylamine/Diphenylamine	48.1	ND	32.2	66.9		40 - 140
N-Nitrosodi-n-propylamine	48.1	ND	26.5	55.2		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B311664	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B311664-MSD1
Initial/Final:	1020 mL / 1 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	49.0	46.2	94.3		22.8	30	40 - 140
Benzaldehyde	49.0	23.4	47.8		9.50	30	40 - 140
Biphenyl	49.0	36.0	73.5		24.0	30	40 - 140
Acenaphthene	49.0	36.2	73.8		25.8	30	40 - 140
Caprolactam	49.0	12.7	25.9	*	26.0	30	40 - 140
Acenaphthylene	49.0	36.0	73.4		25.2	30	40 - 140
Acetophenone	49.0	28.9	58.9		18.3	30	40 - 140
Anthracene	49.0	40.9	83.4		25.8	30	40 - 140
Benzo(a)anthracene	49.0	42.1	85.9		26.6	30	40 - 140
Benzo(a)pyrene	49.0	40.0	81.6		26.0	30	40 - 140
Benzo(b)fluoranthene	49.0	42.8	87.4		25.4	30	40 - 140
Benzo(g,h,i)perylene	49.0	39.4	80.4		23.5	30	40 - 140
Benzo(k)fluoranthene	49.0	45.2	92.1		27.9	30	40 - 140
Bis(2-chloroethoxy)methane	49.0	34.3	70.1		18.5	30	40 - 140
Bis(2-chloroethyl)ether	49.0	28.3	57.7		13.0	30	40 - 140
Bis(2-chloroisopropyl)ether	49.0	30.2	61.7		10.5	30	40 - 140
Bis(2-Ethylhexyl)phthalate	49.0	45.8	93.5		25.0	30	40 - 140
4-Bromophenylphenylether	49.0	40.4	82.5		22.6	30	40 - 140
Butylbenzylphthalate	49.0	43.7	89.1		25.0	30	40 - 140
Carbazole	49.0	44.2	90.1		26.6	30	40 - 140
4-Chloroaniline	49.0	32.5	66.3		21.3	30	40 - 140
4-Chloro-3-methylphenol	49.0	40.0	81.6		26.2	30	30 - 130
2-Chloronaphthalene	49.0	31.0	63.2		22.2	30	40 - 140
2-Chlorophenol	49.0	27.7	56.6		15.7	30	30 - 130
4-Chlorophenylphenylether	49.0	40.0	81.7		26.3	30	40 - 140
Chrysene	49.0	42.2	86.2		26.5	30	40 - 140
Dibenz(a,h)anthracene	49.0	42.5	86.6		26.0	30	40 - 140
Dibenzofuran	49.0	39.1	79.7		26.2	30	40 - 140
Di-n-butylphthalate	49.0	44.9	91.5		22.3	30	40 - 140
3,3-Dichlorobenzidine	49.0	45.2	92.2		25.2	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B311664	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B311664-MSD1
Initial/Final:	1020 mL / 1 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,4-Dichlorophenol	49.0	35.7	72.9		24.4		30	30 - 130
Diethylphthalate	49.0	41.6	84.8		22.7		30	40 - 140
2,4-Dimethylphenol	49.0	38.8	79.2		25.6		30	30 - 130
Dimethylphthalate	49.0	41.0	83.7		24.0		30	40 - 140
4,6-Dinitro-2-methylphenol	49.0	45.3	92.5		31.6	*	30	30 - 130
2,4-Dinitrophenol	49.0	38.4	78.3		26.7		30	30 - 130
2,4-Dinitrotoluene	49.0	38.9	79.4		25.0		30	40 - 140
2,6-Dinitrotoluene	49.0	38.8	79.1		22.9		30	40 - 140
Di-n-octylphthalate	49.0	44.8	91.4		23.9		30	40 - 140
Fluoranthene	49.0	45.1	92.1		26.0		30	40 - 140
Fluorene	49.0	38.3	78.0		23.6		30	40 - 140
Hexachlorobenzene	49.0	40.4	82.4		25.7		30	40 - 140
Hexachlorobutadiene	49.0	21.3	43.5		9.23		30	40 - 140
Hexachlorocyclopentadiene	49.0	25.9	52.9		13.4		30	30 - 130
Hexachloroethane	49.0	15.1	30.9	*	2.79		30	40 - 140
Indeno(1,2,3-cd)pyrene	49.0	39.5	80.7		23.4		30	40 - 140
Isophorone	49.0	36.8	75.2		22.9		30	40 - 140
2-Methylnaphthalene	49.0	33.6	68.6		19.4		30	40 - 140
2-Methylphenol	49.0	27.7	56.6		19.9		30	30 - 130
3/4-Methylphenol	49.0	27.3	55.6		25.1		30	30 - 130
Naphthalene	49.0	27.7	56.6		15.9		30	40 - 140
2-Nitroaniline	49.0	39.0	79.6		25.3		30	40 - 140
3-Nitroaniline	49.0	37.6	76.7		24.6		30	40 - 140
4-Nitroaniline	49.0	44.5	90.8		29.8		30	40 - 140
Nitrobenzene	49.0	29.1	59.4		16.9		30	40 - 140
2-Nitrophenol	49.0	31.6	64.5		19.6		30	30 - 130
4-Nitrophenol	49.0	21.4	43.7		22.7		30	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	49.0	41.4	84.5		25.2		30	40 - 140
N-Nitrosodi-n-propylamine	49.0	31.4	64.1		16.9		30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B311664	Laboratory ID:	B311664-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	39.1	78.3		40 - 140
Benzaldehyde	50.0	26.3	52.7		40 - 140
Biphenyl	50.0	31.1	62.2		40 - 140
Caprolactam	50.0	12.0	24.1	*	40 - 140
Acenaphthene	50.0	31.8	63.5		40 - 140
Acenaphthylene	50.0	30.9	61.8		40 - 140
Acetophenone	50.0	29.2	58.5		40 - 140
Anthracene	50.0	34.3	68.7		40 - 140
Benzo(a)anthracene	50.0	35.5	71.1		40 - 140
Benzo(a)pyrene	50.0	33.9	67.7		40 - 140
Benzo(b)fluoranthene	50.0	33.4	66.8		40 - 140
Benzo(g,h,i)perylene	50.0	37.0	74.0		40 - 140
Benzo(k)fluoranthene	50.0	35.3	70.6		40 - 140
Bis(2-chloroethoxy)methane	50.0	30.5	61.0		40 - 140
Bis(2-chloroethyl)ether	50.0	27.6	55.3		40 - 140
Bis(2-chloroisopropyl)ether	50.0	29.8	59.6		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	39.9	79.8		40 - 140
4-Bromophenylphenylether	50.0	33.6	67.2		40 - 140
Butylbenzylphthalate	50.0	40.7	81.4		40 - 140
Carbazole	50.0	34.2	68.4		40 - 140
4-Chloroaniline	50.0	34.2	68.3		40 - 140
4-Chloro-3-methylphenol	50.0	34.1	68.2		30 - 130
2-Chloronaphthalene	50.0	27.6	55.2		40 - 140
2-Chlorophenol	50.0	27.4	54.7		30 - 130
4-Chlorophenylphenylether	50.0	32.5	65.0		40 - 140
Chrysene	50.0	34.5	69.0		40 - 140
Dibenz(a,h)anthracene	50.0	38.3	76.6		40 - 140
Dibenzofuran	50.0	32.2	64.5		40 - 140
Di-n-butylphthalate	50.0	37.1	74.2		40 - 140
3,3-Dichlorobenzidine	50.0	44.0	88.1		40 - 140
2,4-Dichlorophenol	50.0	31.7	63.4		30 - 130
Diethylphthalate	50.0	35.3	70.7		40 - 140
2,4-Dimethylphenol	50.0	30.6	61.3		30 - 130
Dimethylphthalate	50.0	35.0	70.1		40 - 140
4,6-Dinitro-2-methylphenol	50.0	53.0	106		30 - 130
2,4-Dinitrophenol	50.0	49.8	99.6		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B311664	Laboratory ID:	B311664-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Biphenyl	50.0	29.4	58.8		5.62	20	40 - 140
Caprolactam	50.0	11.8	23.6	*	2.01	20	40 - 140
Acenaphthene	50.0	30.0	60.0		5.73	20	40 - 140
Acenaphthylene	50.0	28.9	57.8		6.76	20	40 - 140
Acetophenone	50.0	27.7	55.3		5.52	20	40 - 140
Anthracene	50.0	33.1	66.3		3.59	20	40 - 140
Benzo(a)anthracene	50.0	34.7	69.3		2.51	20	40 - 140
Benzo(a)pyrene	50.0	33.4	66.7		1.55	20	40 - 140
Benzo(b)fluoranthene	50.0	33.1	66.1		0.993	20	40 - 140
Benzo(g,h,i)perylene	50.0	36.3	72.6		1.86	20	40 - 140
Benzo(k)fluoranthene	50.0	34.8	69.5		1.54	20	40 - 140
Bis(2-chloroethoxy)methane	50.0	29.5	58.9		3.47	20	40 - 140
Bis(2-chloroethyl)ether	50.0	26.2	52.3		5.43	20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	27.8	55.5		7.12	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	38.8	77.6		2.82	20	40 - 140
4-Bromophenylphenylether	50.0	32.5	65.0		3.42	20	40 - 140
Butylbenzylphthalate	50.0	39.9	79.8		1.94	20	40 - 140
Carbazole	50.0	32.8	65.6		4.18	20	40 - 140
4-Chloroaniline	50.0	32.8	65.5		4.21	20	40 - 140
4-Chloro-3-methylphenol	50.0	33.1	66.2		2.95	20	30 - 130
2-Chloronaphthalene	50.0	24.6	49.3		11.3	20	40 - 140
2-Chlorophenol	50.0	26.7	53.4		2.44	20	30 - 130
4-Chlorophenylphenylether	50.0	31.2	62.3		4.12	20	40 - 140
Chrysene	50.0	34.0	67.9		1.55	20	40 - 140
Dibenz(a,h)anthracene	50.0	37.5	75.1		2.00	20	40 - 140
Dibenzofuran	50.0	30.6	61.2		5.25	20	40 - 140
Di-n-butylphthalate	50.0	36.0	72.0		2.96	20	40 - 140
3,3-Dichlorobenzidine	50.0	42.6	85.2		3.28	20	40 - 140
2,4-Dichlorophenol	50.0	30.5	60.9		4.02	20	30 - 130
Diethylphthalate	50.0	34.0	68.1		3.72	20	40 - 140
2,4-Dimethylphenol	50.0	29.8	59.6		2.68	20	30 - 130
Dimethylphthalate	50.0	34.0	68.0		2.95	50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	52.2	104		1.56	50	30 - 130
2,4-Dinitrophenol	50.0	48.6	97.2		2.48	50	30 - 130
2,4-Dinitrotoluene	50.0	36.8	73.5		3.08	20	40 - 140
2,6-Dinitrotoluene	50.0	37.6	75.1		4.65	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B311769	Laboratory ID:	B311769-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	43.9	87.8		40 - 140
Benzaldehyde	50.0	33.5	66.9		40 - 140
Biphenyl	50.0	35.7	71.3		40 - 140
Caprolactam	50.0	11.8	23.7	*	40 - 140
Acenaphthene	50.0	36.1	72.2		40 - 140
Acenaphthylene	50.0	34.9	69.9		40 - 140
Acetophenone	50.0	33.8	67.6		40 - 140
Anthracene	50.0	38.2	76.4		40 - 140
Benzo(a)anthracene	50.0	39.7	79.4		40 - 140
Benzo(a)pyrene	50.0	37.9	75.8		40 - 140
Benzo(b)fluoranthene	50.0	37.9	75.8		40 - 140
Benzo(g,h,i)perylene	50.0	43.4	86.9		40 - 140
Benzo(k)fluoranthene	50.0	40.0	79.9		40 - 140
Bis(2-chloroethoxy)methane	50.0	36.0	71.9		40 - 140
Bis(2-chloroethyl)ether	50.0	32.9	65.7		40 - 140
Bis(2-chloroisopropyl)ether	50.0	34.5	69.0		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	43.7	87.3		40 - 140
4-Bromophenylphenylether	50.0	37.6	75.2		40 - 140
Butylbenzylphthalate	50.0	45.2	90.5		40 - 140
Carbazole	50.0	38.4	76.9		40 - 140
4-Chloroaniline	50.0	33.9	67.9		40 - 140
4-Chloro-3-methylphenol	50.0	37.9	75.8		30 - 130
2-Chloronaphthalene	50.0	31.3	62.6		40 - 140
2-Chlorophenol	50.0	32.4	64.8		30 - 130
4-Chlorophenylphenylether	50.0	37.0	74.0		40 - 140
Chrysene	50.0	38.6	77.2		40 - 140
Dibenz(a,h)anthracene	50.0	43.7	87.4		40 - 140
Dibenzofuran	50.0	36.8	73.5		40 - 140
Di-n-butylphthalate	50.0	41.4	82.7		40 - 140
3,3-Dichlorobenzidine	50.0	47.1	94.2		40 - 140
2,4-Dichlorophenol	50.0	37.3	74.6		30 - 130
Diethylphthalate	50.0	39.1	78.1		40 - 140
2,4-Dimethylphenol	50.0	35.4	70.8		30 - 130
Dimethylphthalate	50.0	39.2	78.3		40 - 140
4,6-Dinitro-2-methylphenol	50.0	58.5	117		30 - 130
2,4-Dinitrophenol	50.0	56.0	112		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B311769	Laboratory ID:	B311769-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Biphenyl	50.0	37.4	74.7		4.68	20	40 - 140
Caprolactam	50.0	12.6	25.1	*	5.90	20	40 - 140
Acenaphthene	50.0	37.7	75.5		4.47	20	40 - 140
Acenaphthylene	50.0	36.3	72.7		3.93	20	40 - 140
Acetophenone	50.0	36.5	72.9		7.54	20	40 - 140
Anthracene	50.0	39.1	78.3		2.41	20	40 - 140
Benzo(a)anthracene	50.0	40.3	80.7		1.65	20	40 - 140
Benzo(a)pyrene	50.0	38.5	77.1		1.62	20	40 - 140
Benzo(b)fluoranthene	50.0	38.0	76.1		0.421	20	40 - 140
Benzo(g,h,i)perylene	50.0	44.7	89.4		2.90	20	40 - 140
Benzo(k)fluoranthene	50.0	40.6	81.1		1.49	20	40 - 140
Bis(2-chloroethoxy)methane	50.0	38.6	77.2		7.13	20	40 - 140
Bis(2-chloroethyl)ether	50.0	37.3	74.5		12.5	20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	39.5	79.0		13.6	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	45.1	90.2		3.18	20	40 - 140
4-Bromophenylphenylether	50.0	37.6	75.1		0.0532	20	40 - 140
Butylbenzylphthalate	50.0	47.2	94.4		4.18	20	40 - 140
Carbazole	50.0	38.7	77.3		0.545	20	40 - 140
4-Chloroaniline	50.0	36.0	71.9		5.75	20	40 - 140
4-Chloro-3-methylphenol	50.0	39.5	79.1		4.21	20	30 - 130
2-Chloronaphthalene	50.0	32.8	65.7		4.80	20	40 - 140
2-Chlorophenol	50.0	35.1	70.3		8.08	20	30 - 130
4-Chlorophenylphenylether	50.0	37.4	74.8		1.08	20	40 - 140
Chrysene	50.0	39.1	78.2		1.31	20	40 - 140
Dibenz(a,h)anthracene	50.0	45.7	91.4		4.38	20	40 - 140
Dibenzofuran	50.0	37.7	75.3		2.45	20	40 - 140
Di-n-butylphthalate	50.0	42.0	84.0		1.54	20	40 - 140
3,3-Dichlorobenzidine	50.0	48.0	96.1		1.91	20	40 - 140
2,4-Dichlorophenol	50.0	38.2	76.3		2.33	20	30 - 130
Diethylphthalate	50.0	39.6	79.2		1.40	20	40 - 140
2,4-Dimethylphenol	50.0	36.7	73.3		3.47	20	30 - 130
Dimethylphthalate	50.0	39.5	79.1		0.991	50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	59.3	119		1.37	50	30 - 130
2,4-Dinitrophenol	50.0	56.0	112		0.107	50	30 - 130
2,4-Dinitrotoluene	50.0	42.4	84.7		0.0709	20	40 - 140
2,6-Dinitrotoluene	50.0	45.0	90.0		2.04	20	40 - 140

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200463	Instrument:	GCMSSV3
		Calibration Date:	6/27/2022 7:09:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
2,4-Dinitrophenol	0.1558482	24.5	0.992		0.99	
2,4-Dinitrotoluene	0.489454	9.9			20	
2,6-Dinitrotoluene	0.3606631	9.4			20	
Di-n-octylphthalate	1.487425	11.0			20	
Fluoranthene	1.331258	6.4			20	
Fluorene	1.564766	6.1			20	
Hexachlorobenzene	0.2307734	8.3			20	
Hexachlorobutadiene	0.1931561	5.6			20	
Hexachlorocyclopentadiene	0.1525125	39.0	0.983		0.99	*
Hexachloroethane	0.6270657	5.3			20	
Indeno(1,2,3-cd)pyrene	1.100379	8.8			20	
Isophorone	0.6749739	7.0			20	
2-Methylnaphthalene	0.7471886	6.3			20	
2-Methylphenol	1.44968	7.7			20	
3/4-Methylphenol	1.78009	7.8			20	
Naphthalene	1.159409	4.7			20	
2-Nitroaniline	0.3545023	7.6			20	
3-Nitroaniline	0.3819384	6.9			20	
4-Nitroaniline	0.3775941	7.6			20	
Nitrobenzene	0.3837726	5.7			20	
2-Nitrophenol	0.2242433	9.2			20	
4-Nitrophenol	0.1729501	7.9			20	
N-Nitrosodiphenylamine/Diphenylamine	0.6823356	6.7			20	
N-Nitrosodi-n-propylamine	1.057545	9.3			20	
Pentachlorophenol	0.1207443	12.2			20	
Phenanthrene	1.164733	5.3			20	
Phenol	2.003088	8.7			20	
Pyrene	1.616021	4.5			20	
1,2,4,5-Tetrachlorobenzene	0.6387977	6.4			20	
2,4,5-Trichlorophenol	0.4481525	7.4			20	
2,4,6-Trichlorophenol	0.4235352	6.8			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200459
Lab File ID:	D22S166018.D	Calibration Date:	06/15/22 12:04
Sequence:	S074726	Injection Date:	06/15/22
Lab Sample ID:	S074726-ICV1	Injection Time:	19:25

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	53.4	0.3352621	0.3579502		6.8	30
Diethylphthalate	A	50.0	51.1	1.480629	1.512016		2.1	30
2,4-Dimethylphenol	A	50.0	52.7	0.3725556	0.3926151		5.4	30
Dimethylphthalate	A	50.0	51.0	1.478599	1.507424		1.9	30
4,6-Dinitro-2-methylphenol	A	50.0	60.4	0.0909065	0.1097933		20.8	30
2,4-Dinitrophenol	A	50.0	57.2	0.1285165	0.1471584		14.5	30
2,4-Dinitrotoluene	A	50.0	51.6	0.4154896	0.4289246		3.2	30
2,6-Dinitrotoluene	A	50.0	55.4	0.3018524	0.3345759		10.8	30
Di-n-octylphthalate	L	50.0	46.4	1.788286	1.763782		-7.2	30
Fluoranthene	A	50.0	49.9	1.31494	1.312475		-0.2	30
Fluorene	A	50.0	50.4	1.516863	1.5297		0.8	30
Hexachlorobenzene	A	50.0	51.8	0.2848844	0.2949991		3.6	30
Hexachlorobutadiene	A	50.0	49.4	0.2092066	0.2068314		-1.1	30
Hexachlorocyclopentadiene	A	50.0	58.8	0.3753997	0.4413193		17.6	30
Hexachloroethane	A	50.0	49.5	0.6467524	0.6405919		-1.0	30
Indeno(1,2,3-cd)pyrene	A	50.0	53.2	1.005318	1.068784		6.3	30
Isophorone	A	50.0	54.8	0.740473	0.8121497		9.7	30
2-Methylnaphthalene	A	50.0	53.1	0.7238127	0.7687072		6.2	30
2-Methylphenol	A	50.0	53.8	1.396018	1.502738		7.6	30
3/4-Methylphenol	A	50.0	51.8	1.643155	1.701541		3.6	30
Naphthalene	A	50.0	50.8	1.134323	1.151447		1.5	30
2-Nitroaniline	A	50.0	65.0	0.3592266	0.4671217		30.0	30
3-Nitroaniline	A	50.0	43.8	0.3454108	0.3026625		-12.4	30
4-Nitroaniline	A	50.0	52.2	0.3632289	0.379421		4.5	30
Nitrobenzene	A	50.0	51.6	0.4001023	0.4129906		3.2	30
2-Nitrophenol	A	50.0	59.4	0.1796034	0.2132283		18.7	30
4-Nitrophenol	A	50.0	50.4	0.1819499	0.1834325		0.8	30
N-Nitrosodiphenylamine/Diphenylamine	A	50.0	55.2	0.6578379	0.7282902		10.7	30
N-Nitrosodi-n-propylamine	A	50.0	53.8	1.016642	1.094878		7.7	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200459
Lab File ID:	D2218002.D	Calibration Date:	06/15/22 12:04
Sequence:	S073301	Injection Date:	06/29/22
Lab Sample ID:	S073301-CCV1	Injection Time:	08:03

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	46.8	1.34374	1.25804		-6.4	20	
Acenaphthylene	A	50.0	45.9	2.180644	2.000758		-8.2	20	
Acetophenone	A	50.0	44.3	2.03604	1.804889		-11.4	20	
Anthracene	A	50.0	45.3	1.186794	1.076241		-9.3	20	
Benzo(a)anthracene	A	50.0	48.3	1.485131	1.434191		-3.4	20	
Benzo(a)pyrene	A	50.0	47.5	1.275234	1.210536		-5.1	20	
Benzo(b)fluoranthene	A	50.0	44.9	1.544329	1.386293		-10.2	20	
Benzo(g,h,i)perylene	A	50.0	49.5	1.123767	1.11219		-1.0	20	
Benzo(k)fluoranthene	A	50.0	45.2	1.357072	1.226093		-9.7	20	
Bis(2-chloroethoxy)methane	A	50.0	42.9	0.4424443	0.3797598		-14.2	20	
Bis(2-chloroethyl)ether	A	50.0	41.4	1.109615	0.918978		-17.2	20	
Bis(2-chloroisopropyl)ether	A	50.0	38.6	1.852559	1.430597		-22.8	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	51.0	0.9496856	0.9681229		1.9	20	
4-Bromophenylphenylether	A	50.0	44.2	0.2307733	0.2039214		-11.6	20	
Butylbenzylphthalate	A	50.0	52.6	0.6750663	0.7099836		5.2	20	
Carbazole	A	50.0	45.1	1.154672	1.041079		-9.8	20	
4-Chloroaniline	A	50.0	44.7	0.4504306	0.4023672		-10.7	20	
4-Chloro-3-methylphenol	A	50.0	47.9	0.3277893	0.3138339		-4.3	20	
2-Chloronaphthalene	A	50.0	44.1	1.650035	1.456504		-11.7	20	
2-Chlorophenol	A	50.0	45.0	1.604798	1.445107		-10.0	20	
4-Chlorophenylphenylether	A	50.0	44.9	0.7241979	0.6506702		-10.2	20	
Chrysene	A	50.0	46.6	1.408056	1.312339		-6.8	20	
Dibenz(a,h)anthracene	A	50.0	50.2	1.073964	1.077698		0.3	20	
Dibenzofuran	A	50.0	44.7	1.891383	1.690525		-10.6	20	
Di-n-butylphthalate	A	50.0	47.4	1.391115	1.31822		-5.2	20	
3,3-Dichlorobenzidine	A	50.0	52.6	0.4798483	0.5049875		5.2	20	
2,4-Dichlorophenol	A	50.0	47.3	0.3352621	0.3172698		-5.4	20	
Diethylphthalate	A	50.0	46.6	1.480629	1.379253		-6.8	20	
2,4-Dimethylphenol	A	50.0	43.6	0.3725556	0.3247519		-12.8	20	
Dimethylphthalate	A	50.0	47.0	1.478599	1.389401		-6.0	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200459
Lab File ID:	D2218002.D	Calibration Date:	06/15/22 12:04
Sequence:	S073301	Injection Date:	06/29/22
Lab Sample ID:	S073301-CCV1	Injection Time:	08:03

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
4,6-Dinitro-2-methylphenol	A	50.0	65.9	0.0909065	0.1197854		31.8	20	*
2,4-Dinitrophenol	A	50.0	71.4	0.1285165	0.1835891		42.9	20	*
2,4-Dinitrotoluene	A	50.0	53.9	0.4154896	0.4478853		7.8	20	
2,6-Dinitrotoluene	A	50.0	54.7	0.3018524	0.3300643		9.3	20	
Di-n-octylphthalate	L	50.0	42.9	1.788286	1.641359		-14.2	20	
Fluoranthene	A	50.0	46.5	1.31494	1.223794		-6.9	20	
Fluorene	A	50.0	45.2	1.516863	1.371056		-9.6	20	
Hexachlorobenzene	A	50.0	43.6	0.2848844	0.2486533		-12.7	20	
Hexachlorobutadiene	A	50.0	46.4	0.2092066	0.1939379		-7.3	20	
Hexachlorocyclopentadiene	A	50.0	51.3	0.3753997	0.3853081		2.6	20	
Hexachloroethane	A	50.0	46.3	0.6467524	0.5994657		-7.3	20	
Indeno(1,2,3-cd)pyrene	A	50.0	51.4	1.005318	1.033122		2.8	20	
Isophorone	A	50.0	43.8	0.740473	0.6484768		-12.4	20	
2-Methylnaphthalene	A	50.0	45.2	0.7238127	0.6543867		-9.6	20	
2-Methylphenol	A	50.0	44.5	1.396018	1.241713		-11.1	20	
3/4-Methylphenol	A	100	87.2	1.643155	1.432145		-12.8	20	
Naphthalene	A	50.0	46.0	1.134323	1.043188		-8.0	20	
2-Nitroaniline	A	50.0	50.1	0.3592266	0.3598549		0.2	20	
3-Nitroaniline	A	50.0	53.9	0.3454108	0.3723125		7.8	20	
4-Nitroaniline	A	50.0	52.5	0.3632289	0.3811959		4.9	20	
Nitrobenzene	A	50.0	46.2	0.4001023	0.3699033		-7.5	20	
2-Nitrophenol	A	50.0	56.7	0.1796034	0.2037691		13.5	20	
4-Nitrophenol	A	50.0	52.7	0.1819499	0.1916453		5.3	20	
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	38.4	0.6578379	0.5924383		-9.9	20	
N-Nitrosodi-n-propylamine	A	50.0	41.4	1.016642	0.8414212		-17.2	20	
Pentachlorophenol	A	50.0	45.0	0.1817192	0.1634496		-10.1	20	
Phenanthrene	A	50.0	44.8	1.180888	1.058142		-10.4	20	
Phenol	A	50.0	42.1	2.034941	1.712379		-15.9	20	
Pyrene	A	50.0	47.7	1.562415	1.491132		-4.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200459
Lab File ID:	D22S182002.D	Calibration Date:	06/15/22 12:04
Sequence:	S073394	Injection Date:	07/01/22
Lab Sample ID:	S073394-CCV1	Injection Time:	08:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	46.3	1.34374	1.244515		-7.4	20	
Acenaphthylene	A	50.0	45.7	2.180644	1.992431		-8.6	20	
Acetophenone	A	50.0	42.9	2.03604	1.74835		-14.1	20	
Anthracene	A	50.0	45.4	1.186794	1.077208		-9.2	20	
Benzo(a)anthracene	A	50.0	48.9	1.485131	1.451266		-2.3	20	
Benzo(a)pyrene	A	50.0	47.6	1.275234	1.212745		-4.9	20	
Benzo(b)fluoranthene	A	50.0	45.8	1.544329	1.414599		-8.4	20	
Benzo(g,h,i)perylene	A	50.0	53.2	1.123767	1.196876		6.5	20	
Benzo(k)fluoranthene	A	50.0	46.0	1.357072	1.248904		-8.0	20	
Bis(2-chloroethoxy)methane	A	50.0	42.0	0.4424443	0.3711683		-16.1	20	
Bis(2-chloroethyl)ether	A	50.0	40.8	1.109615	0.9045595		-18.5	20	
Bis(2-chloroisopropyl)ether	A	50.0	37.1	1.852559	1.375746		-25.7	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	50.3	0.9496856	0.9560224		0.7	20	
4-Bromophenylphenylether	A	50.0	46.4	0.2307733	0.2142686		-7.2	20	
Butylbenzylphthalate	A	50.0	52.2	0.6750663	0.7046776		4.4	20	
Carbazole	A	50.0	44.0	1.154672	1.016491		-12.0	20	
4-Chloroaniline	A	50.0	42.8	0.4504306	0.3854019		-14.4	20	
4-Chloro-3-methylphenol	A	50.0	45.2	0.3277893	0.2959728		-9.7	20	
2-Chloronaphthalene	A	50.0	44.1	1.650035	1.456211		-11.7	20	
2-Chlorophenol	A	50.0	45.4	1.604798	1.455904		-9.3	20	
4-Chlorophenylphenylether	A	50.0	43.8	0.7241979	0.6341987		-12.4	20	
Chrysene	A	50.0	47.1	1.408056	1.325798		-5.8	20	
Dibenz(a,h)anthracene	A	50.0	53.6	1.073964	1.152422		7.3	20	
Dibenzofuran	A	50.0	44.3	1.891383	1.676592		-11.4	20	
Di-n-butylphthalate	A	50.0	46.0	1.391115	1.279127		-8.1	20	
3,3-Dichlorobenzidine	A	50.0	52.9	0.4798483	0.5073087		5.7	20	
2,4-Dichlorophenol	A	50.0	46.7	0.3352621	0.3133552		-6.5	20	
Diethylphthalate	A	50.0	43.7	1.480629	1.295208		-12.5	20	
2,4-Dimethylphenol	A	50.0	42.5	0.3725556	0.3169977		-14.9	20	
Dimethylphthalate	A	50.0	45.1	1.478599	1.333666		-9.8	20	

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SOP-454 PFAS
Batch:	B312656	Preparation:	SOP 454-PFAAS
% Solids:		Laboratory ID:	B312656-MS1
Initial/Final:	266.71 mL / 1 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC.		QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	9.37	6.73	21.2	155	*	73 - 129
Perfluorobutanesulfonic acid (PFBS)	8.30	1.58	10.4	106		72 - 130
Perfluoropentanoic acid (PFPeA)	9.37	7.33	13.7	68.2	*	72 - 129
Perfluorohexanoic acid (PFHxA)	9.37	13.7	24.0	109		72 - 129
11Cl-PF3OUdS (F53B Major)	8.83	ND	10.8	122		50 - 150
9Cl-PF3ONS (F53B Minor)	8.74	ND	11.2	128		50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.83	ND	9.84	111		50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.37	ND	10.6	113		50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	9.00	ND	10.5	116		67 - 138
Perfluorodecanoic acid (PFDA)	9.37	ND	10.2	109		71 - 129
Perfluorododecanoic acid (PFDoA)	9.37	ND	10.9	117		72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.34	ND	9.83	118		50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	8.95	ND	9.58	107		69 - 134
N-EtFOSAA	9.37	ND	12.1	129		61 - 135
N-MeFOSAA	9.37	ND	11.2	119		65 - 136
Perfluorotetradecanoic acid (PFTA)	9.37	ND	11.8	126		71 - 132
Perfluorotridecanoic acid (PFTrDA)	9.37	ND	11.6	124		65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.76	ND	9.81	112		63 - 143
Perfluorodecanesulfonic acid (PFDS)	9.05	ND	8.58	94.8		53 - 142
Perfluorooctanesulfonamide (FOSA)	9.37	ND	10.6	114		67 - 137
Perfluorononanesulfonic acid (PFNS)	9.00	ND	10.9	121		69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	9.37	ND	12.3	131		50 - 150

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SOP-454 PFAS
Batch:	B312656	Preparation:	SOP 454-PFAAS
% Solids:		Laboratory ID:	B312656-MSD1
Initial/Final:	267.62 mL / 1 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	9.34	32.5	276	*	41.9	*	30	73 - 129
Perfluorobutanesulfonic acid (PFBS)	8.27	11.0	114		6.28		30	72 - 130
Perfluoropentanoic acid (PFPeA)	9.34	18.2	116		28.0		30	72 - 129
Perfluorohexanoic acid (PFHxA)	9.34	24.3	113		1.29		30	72 - 129
11Cl-PF3OUdS (F53B Major)	8.80	8.15	92.7		27.9		30	50 - 150
9Cl-PF3ONS (F53B Minor)	8.71	9.89	114		12.2		30	50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.80	9.33	106		5.27		30	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.34	8.98	96.2		16.9		30	50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.97	10.3	115		1.71		30	67 - 138
Perfluorodecanoic acid (PFDA)	9.34	10.3	110		0.396		30	71 - 129
Perfluorododecanoic acid (PFDoA)	9.34	11.4	122		4.22		30	72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.31	10.0	120		1.69		30	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	8.92	6.98	78.3		31.3	*	30	69 - 134
N-EtFOSAA	9.34	12.1	130		0.240		30	61 - 135
N-MeFOSAA	9.34	10.4	112		7.02		30	65 - 136
Perfluorotetradecanoic acid (PFTA)	9.34	12.4	133	*	5.14		30	71 - 132
Perfluorotridecanoic acid (PFTrDA)	9.34	15.2	163	*	26.7		30	65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.73	10.3	118		5.18		30	63 - 143
Perfluorodecanesulfonic acid (PFDS)	9.01	8.31	92.2		3.13		30	53 - 142
Perfluorooctanesulfonamide (FOSA)	9.34	12.0	129		12.1		30	67 - 137
Perfluorononanesulfonic acid (PFNS)	8.97	10.5	117		3.32		30	69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	9.34	12.2	130		0.831		30	50 - 150

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SOP-454 PFAS
Batch:	B312656	Preparation:	SOP 454-PFAAS
% Solids:		Laboratory ID:	B312656-MSD1
Initial/Final:	267.62 mL / 1 mL	Sample Lab ID:	22F1364-04
Column:			

ANALYTE	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Perfluoro-1-butanesulfonamide (FBSA)	9.34	11.8	123		1.33		30	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	8.55	10.5	109		11.9		30	68 - 131
Perfluoro-4-oxapentanoic acid (PFMPA)	9.34	13.2	142		2.78		30	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	9.34	11.8	126		2.67		30	50 - 150
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.87	72.4	784	*	142	*	30	64 - 140
Perfluoropetanesulfonic acid (PFPeS)	8.78	11.6	125		1.58		30	71 - 127
Perfluoroundecanoic acid (PFUnA)	9.34	11.3	121		1.35		30	69 - 133
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.34	8.59	92.0		0.613		30	50 - 150
Perfluoroheptanoic acid (PFHpA)	9.34	16.3	95.7		4.58		30	72 - 130
Perfluorooctanoic acid (PFOA)	9.34	22.7	112		5.36		30	71 - 133
Perfluorooctanesulfonic acid (PFOS)	8.64	10.6	97.9		17.8		30	65 - 140
Perfluorononanoic acid (PFNA)	9.34	11.8	121		5.39		30	69 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SOP 454-PFAAS
Batch:	B312656	Laboratory ID:	B312656-BS1
Column:		Initial/Final:	267.82 mL / 1 mL

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	9.33	10.0	107	73 - 129
Perfluorobutanesulfonic acid (PFBS)	8.26	8.53	103	72 - 130
Perfluoropentanoic acid (PFPeA)	9.33	9.69	104	72 - 129
Perfluorohexanoic acid (PFHxA)	9.33	9.30	99.6	72 - 129
11Cl-PF3OUdS (F53B Major)	8.79	8.66	98.4	50 - 150
9Cl-PF3ONS (F53B Minor)	8.70	9.43	108	50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.79	8.60	97.9	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.33	8.74	93.7	50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.96	9.47	106	67 - 138
Perfluorodecanoic acid (PFDA)	9.33	8.65	92.7	71 - 129
Perfluorododecanoic acid (PFDoA)	9.33	11.0	118	72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.31	8.81	106	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	8.91	7.13	80.0	69 - 134
N-EtFOSAA	9.33	10.2	109	61 - 135
N-MeFOSAA	9.33	11.4	122	65 - 136
Perfluorotetradecanoic acid (PFTA)	9.33	10.1	108	71 - 132
Perfluorotridecanoic acid (PFTrDA)	9.33	10.2	110	65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.73	9.35	107	63 - 143
Perfluorodecanesulfonic acid (PFDS)	9.01	6.61	73.4	53 - 142
Perfluorooctanesulfonamide (FOSA)	9.33	9.96	107	67 - 137
Perfluorononanesulfonic acid (PFNS)	8.96	9.18	102	69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	9.33	12.5	134	50 - 150
Perfluoro-1-butanesulfonamide (FBSA)	9.33	10.1	108	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	8.54	8.82	103	68 - 131
Perfluoro-4-oxapentanoic acid (PFMPA)	9.33	9.70	104	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	9.33	10.7	115	50 - 150
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.87	9.03	102	64 - 140
Perfluoropetanesulfonic acid (PFPeS)	8.77	10.0	114	71 - 127
Perfluoroundecanoic acid (PFUnA)	9.33	9.38	100	69 - 133
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.33	7.57	81.0	50 - 150
Perfluoroheptanoic acid (PFHpA)	9.33	9.60	103	72 - 130
Perfluorooctanoic acid (PFOA)	9.33	10.6	114	71 - 133
Perfluorooctanesulfonic acid (PFOS)	8.63	8.82	102	65 - 140
Perfluorononanoic acid (PFNA)	9.33	9.69	104	69 - 130

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S074365	Instrument:	QQQ4
		Calibration:	2200417

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (B312656-MSD1)			*Lab File ID: B312656-MSD1.d*			*Analyzed: 07/20/22 16:04*			
M8FOSA	260720.4	4.01255	359141	4.01255	73	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	253743.4	2.537883	263838	2.537883	96	50 - 150	0.0000	+/-0.50	
M2PFTA	680914.9	4.362167	1580120	4.35405	43	50 - 150	0.0081	+/-0.50	*
M2-8:2FTS	118864.7	3.82705	155600	3.82705	76	50 - 150	0.0000	+/-0.50	
MPFBA	386550.4	1.075083	662980	1.0834	58	50 - 150	-0.0083	+/-0.50	
M3HFPO-DA	185046.4	2.872033	198404	2.872033	93	50 - 150	0.0000	+/-0.50	
M6PFDA	619735.3	3.82755	737070	3.82755	84	50 - 150	0.0000	+/-0.50	
M3PFBS	154776.3	1.928117	175865	1.928117	88	50 - 150	0.0000	+/-0.50	
M7PFUnA	863403.4	3.978	1157712	3.970017	75	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	165285.7	3.469383	137118	3.469383	121	50 - 150	0.0000	+/-0.50	
M5PFPeA	523539.3	1.749417	640533	1.749417	82	50 - 150	0.0000	+/-0.50	
M5PFHxA	1103591	2.629833	1180952	2.621617	93	50 - 150	0.0082	+/-0.50	
M3PFHxS	138237.6	3.242583	162362	3.2345	85	50 - 150	0.0081	+/-0.50	
M4PFHpA	1330031	3.203083	1353857	3.203083	98	50 - 150	0.0000	+/-0.50	
M8PFOA	942568.8	3.4779	1058083	3.4779	89	50 - 150	0.0000	+/-0.50	
M8PFOS	107536.1	3.668117	127023	3.668117	85	50 - 150	0.0000	+/-0.50	
M9PFNA	619793.9	3.669167	758890	3.66915	82	50 - 150	0.0000	+/-0.50	
MPFDoA	863005.5	4.112617	1322468	4.112617	65	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	220920.6	3.977483	298352	3.977483	74	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	307298.7	3.9059	362956	3.9059	85	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S074365	Instrument:	QQQ4
		Calibration:	2200417

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-CBGY-MW-7 (22F1364-07)			*Lab File ID: 22F1364-07.d*			*Analyzed: 07/20/22 16:48*			
M8FOSA	195299.3	4.01255	359141	4.01255	54	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	221084.3	2.537883	263838	2.537883	84	50 - 150	0.0000	+/-0.50	
M2PFTA	52027.32	4.35405	1580120	4.35405	03	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	94830.39	3.82705	155600	3.82705	61	50 - 150	0.0000	+/-0.50	
MPFBA	426880.6	1.0834	662980	1.0834	64	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	259800	2.872033	198404	2.872033	131	50 - 150	0.0000	+/-0.50	
M6PFDA	534648	3.82755	737070	3.82755	73	50 - 150	0.0000	+/-0.50	
M3PFBS	158063.3	1.928117	175865	1.928117	90	50 - 150	0.0000	+/-0.50	
M7PFUnA	665407.9	3.970017	1157712	3.970017	57	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	99707.59	3.469383	137118	3.469383	73	50 - 150	0.0000	+/-0.50	
M5PFPeA	543095.8	1.749417	640533	1.749417	85	50 - 150	0.0000	+/-0.50	
M5PFHxA	1120158	2.621617	1180952	2.621617	95	50 - 150	0.0000	+/-0.50	
M3PFHxS	132169.8	3.2345	162362	3.2345	81	50 - 150	0.0000	+/-0.50	
M4PFHpA	1337328	3.203083	1353857	3.203083	99	50 - 150	0.0000	+/-0.50	
M8PFOA	902676.9	3.4779	1058083	3.4779	85	50 - 150	0.0000	+/-0.50	
M8PFOS	96982.09	3.668117	127023	3.668117	76	50 - 150	0.0000	+/-0.50	
M9PFNA	628983.9	3.66915	758890	3.66915	83	50 - 150	0.0000	+/-0.50	
MPFDoA	445291.3	4.112617	1322468	4.112617	34	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	184185.3	3.977483	298352	3.977483	62	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	244304.3	3.897717	362956	3.9059	67	50 - 150	-0.0082	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S074365	Instrument:	QQQ4
		Calibration:	2200417

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-CBGY-MW-9 (22F1364-14)			*Lab File ID: 22F1364-14.d*			*Analyzed: 07/20/22 17:38*			
M8FOSA	297446.6	4.01255	359141	4.01255	83	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	304490.5	2.529667	263838	2.537883	115	50 - 150	-0.0082	+/-0.50	
M2PFTA	1056350	4.35405	1580120	4.35405	67	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	186686.2	3.82705	155600	3.82705	120	50 - 150	0.0000	+/-0.50	
MPFBA	372904.4	1.075083	662980	1.075083	56	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	210250	2.872033	198404	2.872033	106	50 - 150	0.0000	+/-0.50	
M6PFDA	665777.1	3.82755	737070	3.82755	90	50 - 150	0.0000	+/-0.50	
M3PFBS	152521.9	1.919817	175865	1.928117	87	50 - 150	-0.0083	+/-0.50	
M7PFUnA	1117606	3.970017	1157712	3.970017	97	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	214475.6	3.469383	137118	3.469383	156	50 - 150	0.0000	+/-0.50	*
M5PFPeA	510715.2	1.741133	640533	1.749417	80	50 - 150	-0.0083	+/-0.50	
M5PFHxA	1109677	2.621617	1180952	2.621617	94	50 - 150	0.0000	+/-0.50	
M3PFHxS	142235	3.2345	162362	3.2345	88	50 - 150	0.0000	+/-0.50	
M4PFHpA	1332804	3.203083	1353857	3.203083	98	50 - 150	0.0000	+/-0.50	
M8PFOA	1004788	3.4779	1058083	3.4779	95	50 - 150	0.0000	+/-0.50	
M8PFOS	102467.8	3.668117	127023	3.668117	81	50 - 150	0.0000	+/-0.50	
M9PFNA	674974.1	3.669167	758890	3.66915	89	50 - 150	0.0000	+/-0.50	
MPFDoA	1086669	4.112617	1322468	4.112617	82	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	287561.3	3.977483	298352	3.977483	96	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	349582.7	3.897717	362956	3.897717	96	50 - 150	0.0000	+/-0.50	

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8081B
Batch:	B311660	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B311660-MS1
Initial/Final:	1040 mL / 10 mL	Sample Lab ID:	22F1364-04
Column:	1		

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
Aldrin	0.962	ND	0.50	52.1	30 - 150
alpha-BHC	0.962	ND	0.37	38.1	30 - 150
beta-BHC	0.962	ND	0.61	63.0	30 - 150
delta-BHC	0.962	ND	0.66	68.7	30 - 150
gamma-BHC (Lindane)	0.962	ND	0.45	46.8	30 - 150
4,4'-DDD	0.962	ND	0.95	98.5	30 - 150
4,4'-DDE	0.962	ND	0.89	92.9	30 - 150
4,4'-DDT	0.962	ND	0.95	98.9	30 - 150
Dieldrin	0.962	ND	0.76	79.0	30 - 150
Endosulfan I	0.962	ND	0.68	70.9	30 - 150
Endosulfan II	0.962	ND	0.79	82.0	30 - 150
Endosulfan Sulfate	0.962	ND	0.86	89.4	30 - 150
Endrin	0.962	ND	0.78	81.6	30 - 150
Endrin Aldehyde	0.962	ND	0.84	87.5	30 - 150
Endrin Ketone	0.962	ND	0.87	90.0	30 - 150
Heptachlor	0.962	ND	0.46	48.1	30 - 150
Heptachlor Epoxide	0.962	ND	0.64	66.8	30 - 150
Methoxychlor	0.962	ND	0.94	97.6	30 - 150

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8081B
Batch:	B311660	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B311660-MSD1
Initial/Final:	1030 mL / 10 mL	Sample Lab ID:	22F1364-04
Column:	1		

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Aldrin	0.971	0.55	56.3	8.77	30	30 - 150
alpha-BHC	0.971	0.43	44.0	15.2	30	30 - 150
beta-BHC	0.971	0.64	65.5	4.86	30	30 - 150
delta-BHC	0.971	0.68	70.2	3.17	30	30 - 150
gamma-BHC (Lindane)	0.971	0.51	52.2	11.8	30	30 - 150
4,4'-DDD	0.971	0.94	96.5	1.07	30	30 - 150
4,4'-DDE	0.971	0.88	90.4	1.72	30	30 - 150
4,4'-DDT	0.971	0.93	96.3	1.75	30	30 - 150
Dieldrin	0.971	0.77	79.8	1.89	30	30 - 150
Endosulfan I	0.971	0.69	71.4	1.68	30	30 - 150
Endosulfan II	0.971	0.79	81.4	0.214	30	30 - 150
Endosulfan Sulfate	0.971	0.86	88.1	0.432	30	30 - 150
Endrin	0.971	0.79	81.8	1.19	30	30 - 150
Endrin Aldehyde	0.971	0.81	83.7	3.45	30	30 - 150
Endrin Ketone	0.971	0.86	88.6	0.617	30	30 - 150
Heptachlor	0.971	0.52	53.7	12.1	30	30 - 150
Heptachlor Epoxide	0.971	0.67	69.3	4.65	30	30 - 150
Methoxychlor	0.971	0.93	95.4	1.28	30	30 - 150

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD2	Calibration:	2200360
Lab File ID:	B22E180017.D	Calibration Date:	06/29/22 00:00
Sequence:	S073373	Injection Date:	06/29/22
Lab Sample ID:	S073373-ICV1	Injection Time:	20:07

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	95.4					20	
Chlordane [2C]	A	100	91.8					20	
Chlordane (1)	A	100	98.9	381728.3	377414.4		-1.1	20	
Chlordane (1) [2C]	A	100	96.3	698730.3	672982.3		-3.7	20	
Chlordane (2)	A	100	88.1	730188.4	643421.2		-11.9	20	
Chlordane (2) [2C]	A	100	90.4	1210633	1095000		-9.6	20	
Chlordane (3)	A	100	104	467866.6	487438.1		4.2	20	
Chlordane (3) [2C]	A	100	104	687844.2	712815.5		3.6	20	
Chlordane (4)	A	100	87.0	1611094	1401000		-13.0	20	
Chlordane (4) [2C]	A	100	67.0	2012214	1348000		-33.0	20	*
Chlordane (5)	A	100	98.8	394478.4	389927.9		-1.2	20	
Chlordane (5) [2C]	A	100	102	1660995	1688000		1.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200362
Lab File ID:	H22E184004.d	Calibration Date:	06/27/22 00:00
Sequence:	S073514	Injection Date:	07/03/22
Lab Sample ID:	S073514-CCV1	Injection Time:	07:06

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	597	1.261119E+07	1.33539E+07		5.9	15	
2,4-D [2C]	A	564	616	1.289944E+07	1.407376E+07		9.1	15	
2,4-DB	A	568	611	7302462	7849296		7.5	15	
2,4-DB [2C]	A	568	641	7305495	8248592		12.9	15	
2,4,5-TP (Silvex)	A	57.1	61.2	6.204661E+07	6.648336E+07		7.2	15	
2,4,5-TP (Silvex) [2C]	A	57.1	62.3	6.936033E+07	7.571103E+07		9.2	15	
2,4,5-T	A	56.9	63.3	5.895197E+07	6.562566E+07		11.3	15	
2,4,5-T [2C]	A	56.9	63.0	6.250491E+07	6.917926E+07		10.7	15	
Dalapon	A	1370	1550	1.458192E+07	1.655869E+07		13.6	15	
Dalapon [2C]	A	1370	1620	1.552026E+07	1.832401E+07		18.1	15	*
Dicamba	A	56.4	59.2	4.440352E+07	4.660993E+07		5.0	15	
Dicamba [2C]	A	56.4	61.5	4.5359E+07	4.946631E+07		9.1	15	
Dichloroprop	A	566	591	9557363	9990636		4.5	15	
Dichloroprop [2C]	A	566	615	9374348	1.018445E+07		8.6	15	
Dinoseb	A	283	317	3.685051E+07	4.118905E+07		11.8	15	
Dinoseb [2C]	A	283	321	3.883611E+07	4.395194E+07		13.2	15	
MCPA	A	56100	58900	48293.29	50679.14		4.9	15	
MCPA [2C]	A	56100	61800	48401.92	53363.64		10.3	15	
MCPP	A	56300	61000	34608.71	37527.53		8.4	15	
MCPP [2C]	A	56300	63500	34323.67	38742.45		12.9	15	
2,4-Dichlorophenylacetic acid	A	562	563	1.064229E+07	1.066192E+07		0.2		
2,4-Dichlorophenylacetic acid [2C]	A	562	585	1.055563E+07	1.098043E+07		4.0		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200362
Lab File ID:	H22E184013.d	Calibration Date:	06/27/22 00:00
Sequence:	S073514	Injection Date:	07/03/22
Lab Sample ID:	S073514-CCV2	Injection Time:	12:41

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	595	1.261119E+07	1.330284E+07		5.5	15	
2,4-D [2C]	A	564	623	1.289944E+07	1.424894E+07		10.5	15	
2,4-DB	A	568	610	7302462	7848592		7.5	15	
2,4-DB [2C]	A	568	652	7305495	8383979		14.8	15	
2,4,5-TP (Silvex)	A	57.1	60.8	6.204661E+07	6.609632E+07		6.5	15	
2,4,5-TP (Silvex) [2C]	A	57.1	63.2	6.936033E+07	7.68021E+07		10.7	15	
2,4,5-T	A	56.9	60.8	5.895197E+07	6.303691E+07		6.9	15	
2,4,5-T [2C]	A	56.9	63.6	6.250491E+07	6.992443E+07		11.9	15	
Dalapon	A	1370	1570	1.458192E+07	1.675117E+07		14.9	15	
Dalapon [2C]	A	1370	1640	1.552026E+07	1.855263E+07		19.5	15	*
Dicamba	A	56.4	58.4	4.440352E+07	4.593262E+07		3.4	15	
Dicamba [2C]	A	56.4	62.6	4.5359E+07	5.034043E+07		11.0	15	
Dichloroprop	A	566	588	9557363	9937986		4.0	15	
Dichloroprop [2C]	A	566	623	9374348	1.032756E+07		10.2	15	
Dinoseb	A	283	317	3.685051E+07	4.128339E+07		12.0	15	
Dinoseb [2C]	A	283	326	3.883611E+07	4.467633E+07		15.0	15	
MCPA	A	56100	59200	48293.29	50951.87		5.5	15	
MCPA [2C]	A	56100	62200	48401.92	53677.36		10.9	15	
MCPP	A	56300	61000	34608.71	37500.89		8.4	15	
MCPP [2C]	A	56300	64000	34323.67	39010.66		13.7	15	
2,4-Dichlorophenylacetic acid	A	562	558	1.064229E+07	1.056068E+07		-0.8		
2,4-Dichlorophenylacetic acid [2C]	A	562	593	1.055563E+07	1.112829E+07		5.4		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-CBGY-MW-3

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8151A
Batch:	B311658	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B311658-MS1
Initial/Final:	1020 mL / 5 mL	Sample Lab ID:	22F1364-04
Column:	2		

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
2,4-D [2C]	2.45	ND	1.72	70.4		30 - 150
2,4-DB [2C]	2.45	ND	1.88	76.9		30 - 150
2,4,5-TP (Silvex) [2C]	0.245	ND	0.221	90.2		30 - 150
2,4,5-T [2C]	0.245	ND	0.197	80.5		30 - 150
Dalapon [2C]	6.13	ND	5.13	83.8		30 - 150
Dicamba [2C]	0.245	ND	2.80	1140	*	30 - 150
Dichloroprop [2C]	2.45	ND	2.08	85.0		30 - 150
Dinoseb [2C]	1.23	ND	0.454	37.1		10 - 150
MCPA [2C]	245	ND	41.7	17.0	*	30 - 150
MCPP [2C]	245	ND	45.2	18.4	*	30 - 150

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,4-D [2C]	2.43	1.70	69.8		1.71		20	30 - 150
2,4-DB [2C]	2.43	1.86	76.4		1.53		20	30 - 150
2,4,5-TP (Silvex) [2C]	0.243	0.199	82.0		10.4		20	30 - 150
2,4,5-T [2C]	0.243	0.195	80.2		1.40		20	30 - 150
Dalapon [2C]	6.07	5.37	88.6		4.56		20	30 - 150
Dicamba [2C]	0.243	2.54	1050	*	9.73		20	30 - 150
Dichloroprop [2C]	2.43	2.11	86.9		1.26		20	30 - 150
Dinoseb [2C]	1.21	0.405	33.4		11.4		20	10 - 150
MCPA [2C]	243	83.4	34.4		66.6	*	20	30 - 150
MCPP [2C]	243	44.1	18.2	*	2.41		20	30 - 150

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200362
Lab File ID:	H22E184027.d	Calibration Date:	06/27/22 00:00
Sequence:	S073514	Injection Date:	07/03/22
Lab Sample ID:	S073514-CCV3	Injection Time:	21:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	626	1.261119E+07	1.400071E+07		11.0	15	
2,4-D [2C]	A	564	659	1.289944E+07	1.506702E+07		16.8	15	*
2,4-DB	A	568	644	7302462	8285035		13.5	15	
2,4-DB [2C]	A	568	687	7305495	8835739		20.9	15	*
2,4,5-TP (Silvex)	A	57.1	64.5	6.204661E+07	7.005079E+07		12.9	15	
2,4,5-TP (Silvex) [2C]	A	57.1	66.8	6.936033E+07	8.114361E+07		17.0	15	*
2,4,5-T	A	56.9	64.2	5.895197E+07	6.654657E+07		12.9	15	
2,4,5-T [2C]	A	56.9	67.2	6.250491E+07	7.385589E+07		18.2	15	*
Dalapon	A	1370	1640	1.458192E+07	1.747964E+07		19.9	15	*
Dalapon [2C]	A	1370	1700	1.552026E+07	1.932803E+07		24.5	15	*
Dicamba	A	56.4	62.1	4.440352E+07	4.885106E+07		10.0	15	
Dicamba [2C]	A	56.4	66.4	4.5359E+07	5.337943E+07		17.7	15	*
Dichloroprop	A	566	621	9557363	1.048322E+07		9.7	15	
Dichloroprop [2C]	A	566	662	9374348	1.097138E+07		17.0	15	*
Dinoseb	A	283	337	3.685051E+07	4.389753E+07		19.1	15	*
Dinoseb [2C]	A	283	345	3.883611E+07	4.737703E+07		22.0	15	*
MCPA	A	56100	61900	48293.29	53288.77		10.3	15	
MCPA [2C]	A	56100	66200	48401.92	57117.65		18.0	15	*
MCPP	A	56300	64300	34608.71	39541.74		14.3	15	
MCPP [2C]	A	56300	68600	34323.67	41818.83		21.8	15	*
2,4-Dichlorophenylacetic acid	A	562	584	1.064229E+07	1.105053E+07		3.8		
2,4-Dichlorophenylacetic acid [2C]	A	562	628	1.055563E+07	1.179021E+07		11.7		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200362
Lab File ID:	H22E184039.d	Calibration Date:	06/27/22 00:00
Sequence:	S073514	Injection Date:	07/04/22
Lab Sample ID:	S073514-CCV4	Injection Time:	05:30

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	617	1.261119E+07	1.380071E+07		9.4	15	
2,4-D [2C]	A	564	646	1.289944E+07	1.477216E+07		14.5	15	
2,4-DB	A	568	645	7302462	8288204		13.5	15	
2,4-DB [2C]	A	568	672	7305495	8640141		18.3	15	*
2,4,5-TP (Silvex)	A	57.1	63.7	6.204661E+07	6.921016E+07		11.5	15	
2,4,5-TP (Silvex) [2C]	A	57.1	65.7	6.936033E+07	7.978459E+07		15.0	15	
2,4,5-T	A	56.9	63.4	5.895197E+07	6.568541E+07		11.4	15	
2,4,5-T [2C]	A	56.9	66.1	6.250491E+07	7.267487E+07		16.3	15	*
Dalapon	A	1370	1650	1.458192E+07	1.763197E+07		20.9	15	*
Dalapon [2C]	A	1370	1690	1.552026E+07	1.920686E+07		23.8	15	*
Dicamba	A	56.4	61.6	4.440352E+07	4.845035E+07		9.1	15	
Dicamba [2C]	A	56.4	65.7	4.5359E+07	5.278369E+07		16.4	15	*
Dichloroprop	A	566	615	9557363	1.039664E+07		8.8	15	
Dichloroprop [2C]	A	566	655	9374348	1.085512E+07		15.8	15	*
Dinoseb	A	283	332	3.685051E+07	4.324488E+07		17.4	15	*
Dinoseb [2C]	A	283	341	3.883611E+07	4.670071E+07		20.3	15	*
MCPA	A	56100	60900	48293.29	52424.24		8.6	15	
MCPA [2C]	A	56100	65300	48401.92	56336.9		16.4	15	*
MCPP	A	56300	63400	34608.71	38959.15		12.6	15	
MCPP [2C]	A	56300	67800	34323.67	41330.37		20.4	15	*
2,4-Dichlorophenylacetic acid	A	562	579	1.064229E+07	1.096904E+07		3.1		
2,4-Dichlorophenylacetic acid [2C]	A	562	620	1.055563E+07	1.163772E+07		10.3		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike 2970

Lab Sample ID: B311658-MS1 Date(s) Analyzed: 07/03/2022 07/03/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.193	0.000	0.000	0.163	
	2	17.034	0.000	0.000	0.197	20.7
2,4,5-TP (Silvex)	1	16.950	0.000	0.000	0.203	
	2	16.592	0.000	0.000	0.221	10.0
2,4-D	1	15.336	0.000	0.000	1.82	
	2	14.788	0.000	0.000	1.72	4.6
2,4-DB	1	17.566	0.000	0.000	1.74	
	2	17.407	0.000	0.000	1.88	10.1
Dalapon	1	5.356	0.000	0.000	4.21	
	2	4.826	0.000	0.000	5.13	19.9
Dicamba	1	13.105	0.000	0.000	0.200	
	2	12.463	0.000	0.000	2.80	173.0
Dichloroprop	1	14.807	0.000	0.000	1.81	
	2	14.086	0.000	0.000	2.08	14.4
Dinoseb	1	18.106	0.000	0.000	0.386	
	2	17.584	0.000	0.000	0.454	15.2
MCPA	1	13.988	0.000	0.000	251	
	2	13.345	0.000	0.000	41.7	143.0
MCPP	1	13.656	0.000	0.000	67.9	
	2	12.817	0.000	0.000	45.2	40.3

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike Dup 2971

Lab Sample ID: B311658-MSD1 Date(s) Analyzed: 07/04/2022 07/04/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.191	0.000	0.000	0.153	
	2	17.032	0.000	0.000	0.195	26.1
2,4,5-TP (Silvex)	1	16.949	0.000	0.000	0.190	
	2	16.590	0.000	0.000	0.199	4.6
2,4-D	1	15.331	0.000	0.000	1.81	
	2	14.787	0.000	0.000	1.70	5.7
2,4-DB	1	17.564	0.000	0.000	1.92	
	2	17.405	0.000	0.000	1.86	2.1
Dalapon	1	5.355	0.000	0.000	4.09	
	2	4.827	0.000	0.000	5.37	26.8
Dicamba	1	13.103	0.000	0.000	0.209	
	2	12.461	0.000	0.000	2.54	169.0
Dichloroprop	1	14.803	0.000	0.000	1.80	
	2	14.084	0.000	0.000	2.11	15.9
Dinoseb	1	18.105	0.000	0.000	0.394	
	2	17.583	0.000	0.000	0.405	3.8
MCPA	1	13.986	0.000	0.000	218	
	2	13.343	0.000	0.000	83.4	90.0
MCPP	1	13.659	0.000	0.000	78.9	
	2	12.816	0.000	0.000	44.1	56.7

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F1364
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S075146-LCV1
Sequence: S075146
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0553	10.6	20.00
Antimony	0.0500	0.0503	0.6	20.00
Barium	0.0500	0.0544	8.8	20.00
Beryllium	0.00400	0.00437	9.1	20.00
Cadmium	0.00400	0.00410	2.5	20.00
Calcium	0.500	0.547	9.5	20.00
Chromium	0.0100	0.0108	8.2	20.00
Cobalt	0.0100	0.0107	7.3	20.00
Copper	0.0100	0.0104	4.2	20.00
Iron	0.0500	0.0554	10.9	20.00
Lead	0.0100	0.0117	16.6	20.00
Magnesium	0.0500	0.0541	8.2	20.00
Manganese	0.0100	0.0100	0.2	20.00
Nickel	0.0100	0.0108	8.2	20.00
Potassium	2.00	2.24	11.9	20.00
Selenium	0.0500	0.0549	9.8	20.00
Silver	0.0100	0.0106	6.2	20.00
Vanadium	0.0100	0.0104	4.0	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F1364
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S076785-LCV1
Sequence: S076785
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0522	4.3	20.00
Barium	0.0500	0.0544	8.9	20.00
Cadmium	0.00400	0.00431	7.7	20.00
Chromium	0.0100	0.0109	9.4	20.00
Cobalt	0.0100	0.0109	8.7	20.00
Iron	0.0500	0.0551	10.1	20.00
Manganese	0.0100	0.0108	7.7	20.00
Nickel	0.0100	0.0105	5.4	20.00
Potassium	2.00	2.15	7.6	20.00
Silver	0.0100	0.00979	-2.1	20.00
Thallium	0.0500	0.0524	4.7	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F1364
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S077774-LCV1
Sequence: S077774
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Arsenic	0.0100	0.00804	-19.6	20.00
Sodium	2.00	1.87	-6.7	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F1364
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S077780-LCV1
Sequence: S077780
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0568	13.5	20.00
Antimony	0.0500	0.0447	-10.6	20.00
Arsenic	0.0100	0.00989	-1.1	20.00
Barium	0.0500	0.0551	10.1	20.00
Beryllium	0.00400	0.00428	7.0	20.00
Cadmium	0.00400	0.00448	12.1	20.00
Calcium	0.500	0.547	9.3	20.00
Chromium	0.0100	0.0111	11.4	20.00
Cobalt	0.0100	0.0110	9.6	20.00
Copper	0.0100	0.0111	11.3	20.00
Iron	0.0500	0.0590	18.1	20.00
Magnesium	0.0500	0.0551	10.2	20.00
Manganese	0.0100	0.0111	11.0	20.00
Nickel	0.0100	0.0109	9.5	20.00
Potassium	2.00	2.09	4.7	20.00
Selenium	0.0500	0.0550	9.9	20.00
Silver	0.0100	0.00923	-7.7	20.00
Sodium	2.00	2.12	6.2	20.00
Thallium	0.0500	0.0444	-11.3	20.00
Vanadium	0.0100	0.0115	14.8	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F1364
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S077810-LCV1
Sequence: S077810
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0518	3.5	20.00
Antimony	0.0500	0.0508	1.6	20.00
Arsenic	0.0100	0.00977	-2.3	20.00
Barium	0.0500	0.0546	9.2	20.00
Beryllium	0.00400	0.00435	8.7	20.00
Cadmium	0.00400	0.00447	11.8	20.00
Calcium	0.500	0.536	7.2	20.00
Chromium	0.0100	0.0112	11.8	20.00
Cobalt	0.0100	0.0109	8.5	20.00
Copper	0.0100	0.0117	16.5	20.00
Iron	0.0500	0.0540	8.1	20.00
Lead	0.0100	0.0107	7.2	20.00
Magnesium	0.0500	0.0548	9.6	20.00
Manganese	0.0100	0.0109	9.0	20.00
Nickel	0.0100	0.0113	13.3	20.00
Potassium	2.00	2.15	7.5	20.00
Selenium	0.0500	0.0579	15.8	20.00
Silver	0.0100	0.00941	-5.9	20.00
Sodium	2.00	2.11	5.7	20.00
Vanadium	0.0100	0.0118	18.4	20.00
Boron	0.100	0.0981	-1.9	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F1364
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S077838-LCV1
Sequence: S077838
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	0.0500	0.0474	-5.1	20.00
Arsenic	0.0100	0.0110	9.8	20.00
Beryllium	0.00400	0.00420	5.1	20.00
Calcium	0.500	0.531	6.2	20.00
Copper	0.0100	0.0119	19.2	20.00
Lead	0.0100	0.0111	10.9	20.00
Magnesium	0.0500	0.0532	6.3	20.00
Selenium	0.0500	0.0521	4.2	20.00
Sodium	2.00	2.07	3.3	20.00
Vanadium	0.0100	0.0115	15.3	20.00
Boron	0.100	0.0946	-5.4	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F1364
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S088482-LCV1
Sequence: S088482
Standard ID: 2208025

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Barium	0.0500	0.0542	8.5	20.00
Chromium	0.0100	0.0110	10.3	20.00
Cobalt	0.0100	0.0108	8.3	20.00
Iron	0.0500	0.0553	10.6	20.00
Manganese	0.0100	0.0106	6.0	20.00
Thallium	0.0500	0.0568	13.6	20.00
Zinc	0.0100	0.0119	19.0	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F1364
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S092189-LCV1
Sequence: S092189
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	0.0100	0.0113	12.6	20.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP4	Calibration:	UNASSIGNED
Sequence:	S075146		

Lab Sample ID	Analyte	Found	Units	RL	C
S075146-CCB1	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
B311372-BLK1	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Thallium	0.036	mg/L	0.050	J
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S075146-CCB2	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium	0.0014	mg/L	0.0040	
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP4	Calibration:	UNASSIGNED
Sequence:	S075146		

Lab Sample ID	Analyte	Found	Units	RL	C
S075146-CCB2	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S075146-CCB3	Aluminum	0.034	mg/L	0.050	
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium	0.0027	mg/L	0.0040	
	Cadmium	0.0021	mg/L	0.0040	
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt	0.0019	mg/L	0.010	
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium	0.036	mg/L	0.050	
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP4	Calibration:	UNASSIGNED
Sequence:	S076785		

Lab Sample ID	Analyte	Found	Units	RL	C
B311679-BLK1	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S076785-CCB2	Aluminum		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Cadmium	0.0023	mg/L	0.0040	
	Chromium		mg/L	0.010	U
	Cobalt	0.0024	mg/L	0.010	
	Iron		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Silver		mg/L	0.010	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S076785-CCB3	Aluminum		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Cadmium	0.0033	mg/L	0.0040	
	Chromium		mg/L	0.010	U
	Cobalt	0.0029	mg/L	0.010	
	Iron		mg/L	0.050	U
	Manganese	0.0042	mg/L	0.010	
	Nickel	0.0033	mg/L	0.010	
	Potassium		mg/L	2.0	U
	Silver		mg/L	0.010	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S076785-CCB4	Aluminum		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Cadmium	0.0031	mg/L	0.0040	
	Chromium		mg/L	0.010	U
	Cobalt	0.0031	mg/L	0.010	
	Iron		mg/L	0.050	U
	Manganese	0.0041	mg/L	0.010	

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP4	Calibration:	UNASSIGNED
Sequence:	S076785		

Lab Sample ID	Analyte	Found	Units	RL	C
S076785-CCB4	Nickel	0.0037	mg/L	0.010	
	Potassium		mg/L	2.0	U
	Silver		mg/L	0.010	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S076785-CCB5	Aluminum		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Cadmium	0.0027	mg/L	0.0040	
	Chromium		mg/L	0.010	U
	Cobalt	0.0026	mg/L	0.010	
	Iron		mg/L	0.050	U
	Manganese	0.0039	mg/L	0.010	
	Nickel	0.0030	mg/L	0.010	
	Potassium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S076785-CCB6	Aluminum		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Cadmium	0.0022	mg/L	0.0040	
	Chromium		mg/L	0.010	U
	Cobalt	0.0020	mg/L	0.010	
	Iron		mg/L	0.050	U
	Manganese	0.0036	mg/L	0.010	
	Nickel	0.0024	mg/L	0.010	
	Potassium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S076785-CCB7	Aluminum		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Cadmium	0.0016	mg/L	0.0040	
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Iron		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S077780		

Lab Sample ID	Analyte	Found	Units	RL	C
S077780-CCB1	Lead	0.0077	mg/L	0.010	
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver	0.0072	mg/L	0.010	
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
B311816-BLK1	Aluminum	0.028	mg/L	0.050	J
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron	0.030	mg/L	0.050	J
	Lead	0.0052	mg/L	0.010	J
	Magnesium	0.010	mg/L	0.050	J
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc	0.0047	mg/L	0.010	J

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3005A
Batch:	B311372	Laboratory ID:	B311372-BS1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.		QC LIMITS REC.
Aluminum	0.500	0.503	101		80 - 120
Antimony	0.500	0.487	97.5		80 - 120
Arsenic	0.500	0.450	89.9		80 - 120
Barium	0.500	0.509	102		80 - 120
Beryllium	0.500	0.509	102		80 - 120
Cadmium	0.500	0.494	98.7		80 - 120
Calcium	4.00	4.09	102		80 - 120
Chromium	0.500	0.507	101		80 - 120
Cobalt	0.500	0.507	101		80 - 120
Copper	1.00	0.976	97.6		80 - 120
Iron	4.00	4.15	104		80 - 120
Lead	0.500	0.519	104		80 - 120
Magnesium	4.00	4.04	101		80 - 120
Manganese	0.500	0.502	100		80 - 120
Nickel	0.500	0.518	104		80 - 120
Potassium	4.00	4.19	105		80 - 120
Selenium	0.500	0.503	101		80 - 120
Silver	0.500	0.273	54.5	*	80 - 120
Sodium	4.00	3.69	92.2		80 - 120
Thallium	0.500	0.576	115		80 - 120
Vanadium	0.500	0.509	102		80 - 120
Zinc	1.00	1.02	102		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	0.500	0.506	101	0.619	20	80 - 120
Antimony	0.500	0.493	98.7	1.18	20	80 - 120
Arsenic	0.500	0.468	93.6	4.07	20	80 - 120
Barium	0.500	0.514	103	0.849	20	80 - 120
Beryllium	0.500	0.515	103	1.07	20	80 - 120
Cadmium	0.500	0.499	99.8	1.07	20	80 - 120
Calcium	4.00	4.12	103	0.765	20	80 - 120
Chromium	0.500	0.513	103	1.29	20	80 - 120
Cobalt	0.500	0.513	103	1.11	20	80 - 120
Copper	1.00	0.998	99.8	2.25	20	80 - 120

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3005A
Batch:	B311372	Laboratory ID:	B311372-BSD1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Iron	4.00	4.18	104	0.691		20	80 - 120
Lead	0.500	0.524	105	0.873		20	80 - 120
Magnesium	4.00	4.07	102	0.736		20	80 - 120
Manganese	0.500	0.507	101	1.08		20	80 - 120
Nickel	0.500	0.522	104	0.772		30	80 - 120
Potassium	4.00	4.16	104	0.697		20	80 - 120
Selenium	0.500	0.507	101	0.685		20	80 - 120
Silver	0.500	0.531	106	64.3	*	20	80 - 120
Sodium	4.00	3.77	94.4	2.35		20	80 - 120
Thallium	0.500	0.578	116	0.339		20	80 - 120
Vanadium	0.500	0.515	103	1.14		20	80 - 120
Zinc	1.00	1.03	103	0.731		20	80 - 120

FORM 3 - Blank Summary

SW-846 7470A

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	FIMS100 2	Calibration:	UNASSIGNED
Sequence:	S073586		

Lab Sample ID	Analyte	Found	Units	RL	C
S073586-ICB1	Mercury		µg/L	0.10	U
B312329-BLK1	Mercury	0.000061	mg/L	0.00010	J
S073586-CCB1	Mercury		µg/L	0.10	U
S073586-CCB2	Mercury		µg/L	0.10	U

FORM 3 - Blank Summary

SW-846 9014

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573

Lab Sample ID	Analyte	Found	Units	RL	C
B311426-BLK1	Cyanide	0.0075	mg/L	0.010	J

FORM 3 - Blank Summary

SW-846 9014

Laboratory:	Pace New England	Work Order:	22F1364
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573

Lab Sample ID	Analyte	Found	Units	RL	C
B311758-BLK1	Cyanide	0.0050	mg/L	0.010	J

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Queensbury, NY
Con-test SDG#21L0072
June 8, 2022
Reissued: September 12, 2022
Sampling date: 11/30/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissued: September 12, 2022) for TRC Environmental Corporation, project located at Queensbury, NY, Con-test SDG#21L0072 submitted to Vali-Data of WNY, LLC on April 14, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Pesticide (8081B), PCB (8082A), Herbicide (8151A), Inorganics/Mercury (6010D, 7471B) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	QNSB-SS-101	21L0072-01
2	QNSB-SS-102	21L0072-02
3	QNSB-SS-103	21L0072-03
4	QNSB-SS-104	21L0072-04
5	QNSB-SS-105	21L0072-05
6	DUP-SS	21L0072-06

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except a couple of target analytes were outside QC limits in DUSR ID #3MS/MSD and should be qualified as estimated.

Target Analyte	%Rec MS	%Rec MSD	Qualifier	Associated Sample
Carbon disulfide	50.5	50.8	UJ	3, 6
Chloromethane	62.9	63.2	UJ	3, 6
Vinyl chloride	67.7	66.6	UJ	3, 6

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of several target analytes was outside QC limits in the initial calibrations. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical instrument	Target Analyte	Qualifier	Associated Sample
GCMSVOA4	Bromodichloromethane	UJ/J	B295935, 1-6, 3MS/MSD
GCMSVOA4	Chlorodibromomethane	UJ/J	B295935, 1-6, 3MS/MSD
GCMSVOA4	1,2-Dibromoethane	UJ/J	B295935, 1-6, 3MS/MSD
GCMSVOA4	1,4-Dioxane	UJ/J	B295935, 1-6, 3MS/MSD
GCMSVOA4	1,1,2-Trichloroethene	UJ/J	B295935, 1-6, 3MS/MSD

Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S065961	Bromodichloromethane	RRF	UJ/J	B295935, 1-6, 3MS/MSD
S065961	Chlorodibromomethane	RRF	UJ/J	B295935, 1-6, 3MS/MSD
S065961	1,2-Dibromoethane	RRF	UJ/J	B295935, 1-6, 3MS/MSD
S065961	1,4-Dioxane	RRF	UJ/J	B295935, 1-6, 3MS/MSD
S065961	1,1,2-Trichloroethane	RRF	UJ/J	B295935, 1-6, 3MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance

- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Surrogate Spike Recoveries, Method Blank, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the hold time for DUSR ID#2RE was outside QC limits. Detected target analytes in this sample should be qualified as estimated and non-detects should be qualified as unusable.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2-Fluorophenol and 2,4,6-Tribromophenol was outside QC limits, low in DUSR ID#2. The associated target analytes below should be qualified as estimated in this sample.

Phenol	2-Chlorophenol	2,4,6-Trichlorophenol
2,4,5-Trichlorophenol	2,4-Dinitrophenol	4-Nitrophenol
4,6-Dinitro-2-methylphenol	Pentachlorophenol	

A surrogate was outside laboratory QC limits but within NFG QC limits, in DUSR ID#2, so no further action is required.

METHOD BLANK
All the criteria were met except some TICs were detected above the quantitation limits in the method blanks and should be qualified as undetected in the associated samples.

Blank ID	RT	Blank Concentration	Qualifier	Associated Sample
B296919	2.548	220ug/kg	U	None
B296919	8.931	960ug/kg	U	2RE

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except some target analytes were outside QC limits, in the matrix spike and matrix spike duplicate and should be qualified as estimated.

Target Analyte	%Rec 3MS	%Rec 3MSD	Qualifier	Associated Sample
Pyridine	31.3	34.6	UJ	3, 6
Hexachlorocyclopentadiene	27.2	29.8	UJ	3, 6

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

Instrument	Target Analyte	%D/%RSD	Qualifier	Associated Sample
ICV GCMSSV2	2-Chloronaphthalene	-21.3	UJ/J	B296919, 2RE

Alternate forms of regression were performed on some target analytes, with acceptable results except as mentioned above.

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S066949	3-Nitroaniline	25.9	UJ/J	B296685, 1-4, 3MS/MSD

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %D of Methoxychlor was outside QC limits between the columns in B296797-BS1 and should be qualified as estimated. The %D of Methoxychlor and Aldrin was outside QC limits between the columns in B296797-BSD1 and should be qualified as estimated.

MS/MSD
All the criteria were met the %D of Methoxychlor was outside QC limits between the columns in DUSR ID#3MS and 3MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

Samples: DUSR ID#1, 3, 5, 6 and 3MS/MSD were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

Samples: DUSR ID#1, 3, 5, 6 and 3MS/MSD were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.
Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.
Some target analytes were outside QC limits off the confirmatory column, no further action is required.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits off the primary column in a continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S066384-CCV2	Dalapon	19.9	UJ/J	B296653

Several target analytes were outside QC limits off the confirmatory column. No further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks

-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in MS/MSD/Duplicate and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met except several target analyte were outside QC limits and should be qualified as estimated.

Target Analyte	%Rec 3MS	%RPD 3DUP	Qualifier	Associated Sample
Ba	42.5	-	J	3, 6
Co	71.4	-	J	3, 6
Zn	73.9	-	J	3, 6
Mg	-	39.5	J	3, 6

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of a target analyte was outside QC limits in the calibrations and should be qualified as estimated.

Calibration ID	Target analyte	%D	Qualifier	Associated Sample
S066946-LCV1	Al	17.1	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	As	13.9	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Ba	10.9	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Cd	13.8	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Ca	11.4	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Cr	15.1	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Co	12.5	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Fe	13.8	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Pb	17.4	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Mg	18.7	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Ni	15.2	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Se	18.7	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	Ag	15.2	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S066946-LCV1	V	14.5	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S067904-LCV1	Se	13.5	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP
S067904-LCV1	Tl	-10.1	UJ/J	B296032, 1, 3, 5, 6, 3MS/DUP

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met.

%SOLIDS
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151 samples 01 to 05 were derivatized on 12/13/21, sample 06 was derivatized on 12/14/21.

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

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SW-846 6010D

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Barium
21L0072-03[QNSB-SS-103], B296032-MS1

Cobalt
21L0072-03[QNSB-SS-103], B296032-MS1

Zinc
21L0072-03[QNSB-SS-103], B296032-MS1

MS-14

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.

Analyte & Samples(s) Qualified:

Selenium
21L0072-03[QNSB-SS-103], B296032-MS1

Sodium
21L0072-03[QNSB-SS-103], B296032-MS1

Thallium
21L0072-03[QNSB-SS-103], B296032-MS1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aluminum
21L0072-03[QNSB-SS-103], B296032-MS1

Calcium
21L0072-03[QNSB-SS-103], B296032-MS1

Iron
21L0072-03[QNSB-SS-103], B296032-MS1

Magnesium
21L0072-03[QNSB-SS-103], B296032-MS1

Manganese
21L0072-03[QNSB-SS-103], B296032-MS1

Potassium
21L0072-03[QNSB-SS-103], B296032-MS1

R-02

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:

Magnesium
21L0072-03[QNSB-SS-103], B296032-DUP1

SW-846 8151A

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Dalapon [2C]
B296653-BLK1, B296653-BS1, B296653-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Dalapon
B296653-BS1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4,5-T [2C]
B296653-BS1, B296653-BSD1

2,4-DB [2C]
B296653-BS1, B296653-BSD1

Dalapon
B296653-BS1, B296653-BSD1

Dalapon [2C]
B296653-BS1, B296653-BSD1, B296653-MS1, B296653-MSD1

MCPP [2C]
B296653-BS1, B296653-BSD1

SW-846 8260D

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Carbon Disulfide
21L0072-03[QNSB-SS-103], B295935-MS1, B295935-MSD1

Chloromethane
21L0072-03[QNSB-SS-103], B295935-MS1, B295935-MSD1

Vinyl Chloride
21L0072-03[QNSB-SS-103], B295935-MS1, B295935-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Bromomethane
B295935-MS1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Phosphine imide, P,P,P-trip...
21L0072-02RE1[QNSB-SS-102], B296919-BLK1

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

21L0072-02RE1[QNSB-SS-102]

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
21L0072-03[QNSB-SS-103], B296685-MS1, B296685-MSD1

Pyridine
21L0072-03[QNSB-SS-103], B296685-MS1, B296685-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
B296685-MS1

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S-10

Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits. Data from analysis performed outside of holding time is also reported since surrogate recovery is acceptable.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
21L0072-02[QNSB-SS-102]

2-Fluorophenol
21L0072-02[QNSB-SS-102]

Phenol-d6
21L0072-02[QNSB-SS-102]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Benzidine
S066425-CCV1, S066495-CCV1, S066690-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

3-Nitroaniline
B296685-BS1, B296685-BSD1, B296685-MS1, B296685-MSD1, S066363-CCV1

Benzoic Acid
S066690-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

3-Nitroaniline
21L0072-01[QNSB-SS-101], 21L0072-02[QNSB-SS-102], 21L0072-03[QNSB-SS-103], 21L0072-04[QNSB-SS-104], B296685-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline
21L0072-01[QNSB-SS-101], 21L0072-02[QNSB-SS-102], 21L0072-03[QNSB-SS-103], 21L0072-04[QNSB-SS-104], 21L0072-05[QNSB-SS-105], 21L0072-06[DUP-SS], B296685-BLK1, B296685-BS1, B296685-BSD1, B296685-MS1, B296685-MSD1, S066363-CCV1, S066425-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzidine
S066363-CCV1, S066425-CCV1, S066495-CCV1, S066690-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

con-test® A Pace Analytical® Laboratory
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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.067	0.021	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Benzene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Bromochloromethane	ND	0.0013	0.00063	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Bromodichloromethane	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Bromoform	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Bromomethane	ND	0.0067	0.0025	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
2-Butanone (MEK)	ND	0.027	0.0081	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Carbon Disulfide	ND	0.0067	0.0047	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Carbon Tetrachloride	ND	0.0013	0.00052	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Chlorobenzene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Chlorodibromomethane	ND	0.00067	0.00034	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Chloroethane	ND	0.013	0.0023	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Chloroform	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Chloromethane	ND	0.0067	0.0022	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Cyclohexane	ND	0.0067	0.0027	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	0.00045	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,2-Dibromoethane (EDB)	ND	0.00067	0.00042	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,2-Dichlorobenzene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,3-Dichlorobenzene	ND	0.0013	0.00028	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,4-Dichlorobenzene	ND	0.0013	0.00034	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	0.00077	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,1-Dichloroethane	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,2-Dichloroethane	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,1-Dichloroethylene	ND	0.0027	0.00083	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
cis-1,2-Dichloroethylene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
trans-1,2-Dichloroethylene	ND	0.0013	0.00037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,2-Dichloropropane	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
cis-1,3-Dichloropropene	ND	0.00067	0.00026	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
trans-1,3-Dichloropropene	ND	0.00067	0.00033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,4-Dioxane	ND	0.067	0.015	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Ethylbenzene	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
2-Hexanone (MBK)	ND	0.013	0.0039	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Isopropylbenzene (Cumene)	ND	0.0013	0.00048	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Methyl Acetate	ND	0.0013	0.00090	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	0.00025	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Methyl Cyclohexane	ND	0.0013	0.00048	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Methylene Chloride	ND	0.013	0.00037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	0.0029	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Styrene	ND	0.0013	0.00028	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,1,2,2-Tetrachloroethane	ND	0.00067	0.00036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Tetrachloroethylene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Toluene	ND	0.0013	0.00037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,2,3-Trichlorobenzene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,2,4-Trichlorobenzene	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0013	0.00045	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,1,2-Trichloroethane	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Trichloroethylene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	0.0024	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	0.0018	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
Vinyl Chloride	ND	0.0067	0.0020	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
m+p Xylene	ND	0.0027	0.00050	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF
o-Xylene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 7:17	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		12/2/21 7:17
Toluene-d8	102	70-130		12/2/21 7:17
4-Bromofluorobenzene	99.7	70-130		12/2/21 7:17

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/2/21	12/2/21 7:17	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Acenaphthylene	ND	0.22	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Anthracene	ND	0.22	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Benzo(a)anthracene	ND	0.22	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Benzo(a)pyrene	ND	0.22	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Benzo(b)fluoranthene	ND	0.22	0.065	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Benzo(g,h,i)perylene	ND	0.22	0.090	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Benzo(k)fluoranthene	ND	0.22	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Bis(2-chloroethoxy)methane	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Bis(2-chloroethyl)ether	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.073	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
4-Bromophenylphenylether	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Butylbenzylphthalate	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Carbazole	ND	0.22	0.071	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
4-Chloroaniline	ND	0.84	0.057	mg/Kg dry	1	V-34	SW-846 8270E	12/13/21	12/14/21 14:36	IMR
4-Chloro-3-methylphenol	ND	0.84	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2-Chloronaphthalene	ND	0.43	0.050	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2-Chlorophenol	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
4-Chlorophenylphenylether	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Chrysene	ND	0.22	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Dibenz(a,h)anthracene	ND	0.22	0.088	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Dibenzofuran	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
1,4-Dichlorobenzene	ND	0.43	0.045	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
3,3-Dichlorobenzidine	ND	0.22	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2,4-Dichlorophenol	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Diethylphthalate	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Dimethylphthalate	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2,4-Dinitrophenol	ND	0.84	0.37	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2,4-Dinitrotoluene	ND	0.43	0.084	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2,6-Dinitrotoluene	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Fluoranthene	ND	0.22	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Fluorene	ND	0.22	0.073	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Hexachlorobutadiene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Indeno(1,2,3-cd)pyrene	ND	0.22	0.098	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Isophorone	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2-Methylnaphthalene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	0.080	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
3/4-Methylphenol	ND	0.43	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Naphthalene	ND	0.22	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2-Nitroaniline	ND	0.43	0.092	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
3-Nitroaniline	ND	0.43	0.073	mg/Kg dry	1	V-20	SW-846 8270E	12/13/21	12/14/21 14:36	IMR
4-Nitroaniline	ND	0.43	0.093	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Nitrobenzene	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
4-Nitrophenol	ND	0.84	0.17	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Phenanthrene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Phenol	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Pyrene	ND	0.22	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Pyridine	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
1,2,4-Trichlorobenzene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2,4,5-Trichlorophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR
2,4,6-Trichlorophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 14:36	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.0	30-130		12/14/21 14:36
Phenol-d6	40.2	30-130		12/14/21 14:36
Nitrobenzene-d5	40.0	30-130		12/14/21 14:36
2-Fluorobiphenyl	44.3	30-130		12/14/21 14:36
2,4,6-Tribromophenol	42.6	30-130		12/14/21 14:36
p-Terphenyl-d14	48.8	30-130		12/14/21 14:36

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.beta.-Pinene	2.8	mg/Kg dry	1315680	3.247	1	000127-91-3	95	SW-846 8270E	12/13/21	12/14/21 14:36	IMR
.gamma.-Sitosterol	5.5	mg/Kg dry	2799190	13.932	1	000083-47-6	99	SW-846 8270E	12/13/21	12/14/21 14:36	IMR
16-Octadecenal	1.6	mg/Kg dry	789325	12.168	1	056554-87-1	95	SW-846 8270E	12/13/21	12/14/21 14:36	IMR
1R-.alpha.-Pinene	1.7	mg/Kg dry	809385	3.036	1	007785-70-8	97	SW-846 8270E	12/13/21	12/14/21 14:36	IMR
eicosane	1.6	mg/Kg dry	821981	12.531	1	000112-95-8	97	SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Pentafluoropropionic acid, ...	1.8	mg/Kg dry	1578660	9.704	1	1000283-04-2	91	SW-846 8270E	12/13/21	12/14/21 14:36	IMR
Tritetracontane	2.7	mg/Kg dry	1374050	11.092	1	007098-21-7	91	SW-846 8270E	12/13/21	12/14/21 14:36	IMR

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0062	0.00034	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
gamma-Chlordane [1]	ND	0.0062	0.0013	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Alachlor [1]	ND	0.025	0.012	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Aldrin [1]	ND	0.0062	0.0032	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
alpha-BHC [1]	ND	0.0062	0.0031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
beta-BHC [1]	ND	0.0062	0.0033	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
delta-BHC [1]	ND	0.0062	0.0047	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
gamma-BHC (Lindane) [1]	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
4,4'-DDD [1]	ND	0.0049	0.0034	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
4,4'-DDE [2]	ND	0.0049	0.0034	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
4,4'-DDT [1]	ND	0.0049	0.0041	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Dieldrin [1]	ND	0.0049	0.0036	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Endosulfan I [1]	ND	0.0062	0.0032	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Endosulfan II [1]	ND	0.0099	0.0033	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Endosulfan sulfate [1]	ND	0.0099	0.0034	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Endrin [1]	ND	0.0099	0.0038	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Endrin aldehyde [1]	ND	0.0099	0.0037	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Endrin ketone [1]	ND	0.0099	0.0047	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Heptachlor [1]	ND	0.0062	0.0039	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Heptachlor epoxide [1]	ND	0.0062	0.0033	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Methoxychlor [1]	ND	0.062	0.018	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG
Toxaphene [1]	ND	0.12	0.050	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 9:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.7	30-150		12/16/21 9:39
Decachlorobiphenyl [2]	74.3	30-150		12/16/21 9:39
Tetrachloro-m-xylene [1]	72.3	30-150		12/16/21 9:39
Tetrachloro-m-xylene [2]	73.0	30-150		12/16/21 9:39

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	0.059	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG
Aroclor-1221 [1]	ND	0.099	0.064	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG
Aroclor-1232 [1]	ND	0.099	0.044	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG
Aroclor-1242 [1]	ND	0.099	0.049	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG
Aroclor-1248 [1]	ND	0.099	0.059	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG
Aroclor-1254 [1]	ND	0.099	0.064	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG
Aroclor-1260 [1]	ND	0.099	0.069	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG
Aroclor-1262 [1]	ND	0.099	0.049	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG
Aroclor-1268 [1]	ND	0.099	0.039	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 14:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.2	30-150		12/15/21 14:59
Decachlorobiphenyl [2]	93.7	30-150		12/15/21 14:59
Tetrachloro-m-xylene [1]	79.3	30-150		12/15/21 14:59
Tetrachloro-m-xylene [2]	91.2	30-150		12/15/21 14:59

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	130	11	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
2,4-DB [1]	ND	130	25	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
2,4,5-TP (Silvex) [1]	ND	13	1.4	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
2,4,5-T [1]	ND	13	1.7	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
Dalalpon [1]	ND	320	19	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
Dicamba [1]	ND	13	1.8	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
Dichloroprop [1]	ND	130	24	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
Dinoseb [1]	ND	63	2.6	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
MCPA [1]	ND	13000	1900	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG
MCPP [1]	ND	13000	1700	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	79.4	30-150		12/15/21 4:04
2,4-Dichlorophenylacetic acid [2]	72.5	30-150		12/15/21 4:04

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	5300	21	7.5	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Antimony	ND	2.1	0.83	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Arsenic	ND	4.1	1.5	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Barium	31	2.1	0.79	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Beryllium	0.21	0.21	0.078	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Cadmium	0.36	0.41	0.21	mg/Kg dry	1	J	SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Calcium	1500	21	8.0	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Chromium	11	0.83	0.47	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Cobalt	3.7	2.1	0.76	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Copper	4.8	0.83	0.40	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Iron	9500	21	8.3	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Lead	22	0.62	0.30	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Magnesium	1200	21	7.2	mg/Kg dry	1		SW-846 6010D	12/3/21	12/4/21 21:28	QNW
Manganese	210	0.41	0.16	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Mercury	0.11	0.032	0.011	mg/Kg dry	1		SW-846 7471B	12/2/21	12/3/21 9:39	DRL
Nickel	6.0	0.83	0.42	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Potassium	290	210	78	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Selenium	ND	4.1	1.5	mg/Kg dry	1		SW-846 6010D	12/3/21	12/4/21 21:28	QNW
Silver	ND	0.41	0.19	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Sodium	ND	210	80	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Thallium	ND	2.1	0.99	mg/Kg dry	1		SW-846 6010D	12/3/21	12/4/21 21:28	QNW
Vanadium	18	0.83	0.41	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW
Zinc	40	0.83	0.53	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:32	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0072-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.8			% Wt	1		SM 2540G	12/2/21	12/3/21 11:06	WAT
Cyanide	0.52	0.63	0.44	mg/Kg dry	1	J	SW-846 9014	12/2/21	12/2/21 14:45	DJM

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.057	0.11	0.037	mg/Kg dry	1	J	SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Benzene	ND	0.0023	0.00054	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Bromochloromethane	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Bromodichloromethane	ND	0.0023	0.00055	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Bromoform	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Bromomethane	ND	0.011	0.0042	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
2-Butanone (MEK)	ND	0.046	0.014	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Carbon Disulfide	ND	0.011	0.0081	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Carbon Tetrachloride	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Chlorobenzene	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Chlorodibromomethane	ND	0.0011	0.00059	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Chloroethane	ND	0.023	0.0040	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Chloroform	ND	0.0046	0.0011	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Chloromethane	ND	0.011	0.0037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Cyclohexane	ND	0.011	0.0047	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00071	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00049	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,1-Dichloroethane	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,2-Dichloroethane	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,1-Dichloroethylene	ND	0.0046	0.0014	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,2-Dichloropropane	ND	0.0023	0.00054	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00044	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,4-Dioxane	ND	0.11	0.025	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Ethylbenzene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
2-Hexanone (MBK)	ND	0.023	0.0066	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00043	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Methyl Cyclohexane	ND	0.0023	0.00083	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Methylene Chloride	ND	0.023	0.00064	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0050	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Styrene	ND	0.0023	0.00048	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Tetrachloroethylene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Toluene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00055	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00053	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Trichloroethylene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.0041	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.0031	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
Vinyl Chloride	ND	0.011	0.0035	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
m+p Xylene	ND	0.0046	0.00087	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF
o-Xylene	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:00	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		12/2/21 9:00
Toluene-d8	101	70-130		12/2/21 9:00
4-Bromofluorobenzene	101	70-130		12/2/21 9:00

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexanal	0.035	mg/Kg dry	642121	7.065	1	000066-25-1	87	SW-846 8260D	12/2/21	12/2/21 9:00	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Acenaphthene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Acenaphthylene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Acenaphthylene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Anthracene	ND	0.21	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Anthracene	ND	0.21	0.069	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Benzo(a)anthracene	ND	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Benzo(a)anthracene	ND	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Benzo(a)pyrene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Benzo(a)pyrene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Benzo(b)fluoranthene	ND	0.21	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Benzo(b)fluoranthene	ND	0.21	0.064	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Benzo(g,h,i)perylene	ND	0.21	0.089	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Benzo(g,h,i)perylene	ND	0.21	0.089	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Benzo(k)fluoranthene	ND	0.21	0.057	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Benzo(k)fluoranthene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Bis(2-chloroethoxy)methane	ND	0.42	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Bis(2-chloroethoxy)methane	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Bis(2-chloroethyl)ether	ND	0.42	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Bis(2-chloroethyl)ether	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	0.071	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
4-Bromophenylphenylether	ND	0.42	0.054	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
4-Bromophenylphenylether	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Butylbenzylphthalate	ND	0.42	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Butylbenzylphthalate	ND	0.43	0.068	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Carbazole	ND	0.21	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Carbazole	ND	0.21	0.070	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
4-Chloroaniline	ND	0.82	0.056	mg/Kg dry	1	V-34	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
4-Chloroaniline	ND	0.83	0.056	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
4-Chloro-3-methylphenol	ND	0.82	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
4-Chloro-3-methylphenol	ND	0.83	0.071	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2-Chloronaphthalene	ND	0.42	0.049	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2-Chloronaphthalene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2-Chlorophenol	ND	0.42	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2-Chlorophenol	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
4-Chlorophenylphenylether	ND	0.42	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
4-Chlorophenylphenylether	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Chrysene	ND	0.21	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Chrysene	ND	0.21	0.061	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Dibenz(a,h)anthracene	ND	0.21	0.086	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Dibenz(a,h)anthracene	ND	0.21	0.086	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Dibenzofuran	ND	0.42	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Dibenzofuran	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2-Dichlorobenzene	ND	0.42	0.048	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
1,3-Dichlorobenzene	ND	0.42	0.046	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
1,4-Dichlorobenzene	ND	0.42	0.044	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
1,4-Dichlorobenzene	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
3,3-Dichlorobenzidine	ND	0.21	0.062	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
3,3-Dichlorobenzidine	ND	0.21	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2,4-Dichlorophenol	ND	0.42	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2,4-Dichlorophenol	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Diethylphthalate	ND	0.42	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Diethylphthalate	ND	0.43	0.065	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2,4-Dimethylphenol	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Dimethylphthalate	ND	0.42	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Dimethylphthalate	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
4,6-Dinitro-2-methylphenol	ND	0.42	0.28	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2,4-Dinitrophenol	ND	0.82	0.36	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2,4-Dinitrophenol	ND	0.83	0.37	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2,4-Dinitrotoluene	ND	0.42	0.082	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2,4-Dinitrotoluene	ND	0.43	0.083	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2,6-Dinitrotoluene	ND	0.42	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2,6-Dinitrotoluene	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Di-n-octylphthalate	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Fluoranthene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Fluoranthene	ND	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Fluorene	ND	0.21	0.071	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Fluorene	ND	0.21	0.072	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Hexachlorobenzene	ND	0.42	0.057	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Hexachlorobutadiene	ND	0.42	0.054	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Hexachlorobutadiene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Hexachlorocyclopentadiene	ND	0.42	0.18	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Hexachloroethane	ND	0.42	0.050	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	0.096	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Indeno(1,2,3-cd)pyrene	ND	0.21	0.096	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Isophorone	ND	0.42	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Isophorone	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2-Methylnaphthalene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2-Methylnaphthalene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	0.078	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2-Methylphenol	ND	0.43	0.079	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
3/4-Methylphenol	ND	0.42	0.068	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
3/4-Methylphenol	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Naphthalene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Naphthalene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2-Nitroaniline	ND	0.42	0.090	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
3-Nitroaniline	ND	0.42	0.072	mg/Kg dry	1	V-20	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
3-Nitroaniline	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
4-Nitroaniline	ND	0.42	0.091	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
4-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Nitrobenzene	ND	0.42	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Nitrobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2-Nitrophenol	ND	0.42	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
4-Nitrophenol	ND	0.82	0.17	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
4-Nitrophenol	ND	0.83	0.17	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
N-Nitrosodimethylamine	ND	0.42	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
N-Nitrosodi-n-propylamine	ND	0.42	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Pentachlorophenol	ND	0.42	0.18	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Phenanthrene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Phenanthrene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Phenol	ND	0.42	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Phenol	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Pyrene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Pyrene	ND	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Pyridine	ND	0.42	0.043	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Pyridine	ND	0.43	0.043	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.42	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
1,2,4-Trichlorobenzene	ND	0.42	0.053	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
1,2,4-Trichlorobenzene	ND	0.43	0.053	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2,4,5-Trichlorophenol	ND	0.42	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2,4,5-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL
2,4,6-Trichlorophenol	ND	0.42	0.065	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:01	IMR
2,4,6-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/15/21	12/17/21 17:54	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**15.9**	*	30-130	S-10	12/14/21 15:01
2-Fluorophenol	33.4		30-130		12/17/21 17:54
Phenol-d6	**18.8**	*	30-130	S-10	12/14/21 15:01

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**		**Recovery Limits**		**Flag/Qual**				
Phenol-d6		36.7		30-130					12/17/21 17:54	
Nitrobenzene-d5		47.3		30-130					12/14/21 15:01	
Nitrobenzene-d5		30.8		30-130					12/17/21 17:54	
2-Fluorobiphenyl		50.3		30-130					12/14/21 15:01	
2-Fluorobiphenyl		34.7		30-130					12/17/21 17:54	
2,4,6-Tribromophenol		**20.4**	*	30-130		S-10			12/14/21 15:01	
2,4,6-Tribromophenol		34.7		30-130					12/17/21 17:54	
p-Terphenyl-d14		55.9		30-130					12/14/21 15:01	
p-Terphenyl-d14		38.9		30-130					12/17/21 17:54	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Sample Flags: H-06

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.beta.-Sitosterol	0.92	mg/Kg dry	169514	13.955	1	000083-46-5	96	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
.beta.-Sitosterol	1.3	mg/Kg dry	724443	13.924	1	000083-46-5	99	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
1,19-Eicosadiene	1.7	mg/Kg dry	965462	12.166	1	014811-95-1	95	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
16-Octadecenal	2.2	mg/Kg dry	404811	12.189	1	056554-87-1	83	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
1-Docosene	1.3	mg/Kg dry	319039	9.699	1	001599-67-3	99	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
1-Nonadecene	1.7	mg/Kg dry	1148480	9.702	1	018435-45-5	97	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
4-((1E)-3-Hydroxy-1-propeny...	0.26	mg/Kg dry	70986	5.892	1	1000297-95-5	99	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
5-Bromo-4-oxo-4,5,6,7-tetra...	1.9	mg/Kg dry	1067910	10.827	1	300574-36-1	90	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Benzeneacetic acid	0.30	mg/Kg dry	68361	4.246	1	000103-82-2	87	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Dichloroacetic acid, heptad...	0.64	mg/Kg dry	162091	8.516	1	1000282-98-2	94	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
E-15-Heptadecenal	1.8	mg/Kg dry	1019950	11.102	1	1000130-97-9	91	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Heptadecane, 9-octyl-	0.89	mg/Kg dry	164244	12.549	1	007225-64-1	90	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Hexadecanal	1.6	mg/Kg dry	293916	10.664	1	000629-80-1	91	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
n-Hexadecanoic acid	0.29	mg/Kg dry	80663	6.451	1	000057-10-3	98	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Octadecanal	1.3	mg/Kg dry	747707	10.652	1	000638-66-4	91	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Octadecanal	0.44	mg/Kg dry	110745	9.31	1	000638-66-4	90	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Oxirane, heptadecyl-	1.4	mg/Kg dry	253377	13.393	1	067860-04-2	91	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Phosphine imide, P,P,P-trip...	0.56	mg/Kg dry	141353	8.879	1	002240-47-3	97	SW-846 8270E	12/15/21	12/17/21 17:54	BGL
Stigmast-4-en-3-one	1.0	mg/Kg dry	703594	8.43	1	001058-61-3	87	SW-846 8270E	12/13/21	12/14/21 15:01	IMR
Sulfurous acid, pentadecyl ...	1.7	mg/Kg dry	314641	11.105	1	1000309-12-6	90	SW-846 8270E	12/15/21	12/17/21 17:54	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0072-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.7			% Wt	1		SM 2540G	12/2/21	12/3/21 11:06	WAT

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.070	0.022	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Benzene	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Bromochloromethane	ND	0.0014	0.00066	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Bromodichloromethane	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Bromoform	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Bromomethane	ND	0.0070	0.0026	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
2-Butanone (MEK)	ND	0.028	0.0085	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Carbon Disulfide	ND	0.0070	0.0050	mg/Kg dry	1	MS-07A	SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Carbon Tetrachloride	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Chlorobenzene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Chlorodibromomethane	ND	0.00070	0.00036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Chloroethane	ND	0.014	0.0025	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Chloroform	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Chloromethane	ND	0.0070	0.0023	mg/Kg dry	1	MS-07A	SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Cyclohexane	ND	0.0070	0.0028	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00047	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,2-Dibromoethane (EDB)	ND	0.00070	0.00044	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00030	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00081	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,1-Dichloroethane	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,2-Dichloroethane	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,1-Dichloroethylene	ND	0.0028	0.00087	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
trans-1,2-Dichloroethylene	ND	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,2-Dichloropropane	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
cis-1,3-Dichloropropene	ND	0.00070	0.00027	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
trans-1,3-Dichloropropene	ND	0.00070	0.00034	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,4-Dioxane	ND	0.070	0.015	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Ethylbenzene	ND	0.0014	0.00031	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
2-Hexanone (MBK)	ND	0.014	0.0040	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00050	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Methyl Acetate	ND	0.0014	0.00095	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	0.00026	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Methyl Cyclohexane	ND	0.0014	0.00051	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Methylene Chloride	ND	0.014	0.00039	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0031	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Styrene	ND	0.0014	0.00030	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.00070	0.00038	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Tetrachloroethylene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Toluene	ND	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,2,3-Trichlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0014	0.00048	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Trichloroethylene	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0070	0.0025	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0070	0.0019	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
Vinyl Chloride	ND	0.0070	0.0021	mg/Kg dry	1	MS-07A	SW-846 8260D	12/2/21	12/2/21 6:52	MFF
m+p Xylene	ND	0.0028	0.00053	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF
o-Xylene	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 6:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		12/2/21 6:52
Toluene-d8	100	70-130		12/2/21 6:52
4-Bromofluorobenzene	99.9	70-130		12/2/21 6:52

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexanal	0.0054	mg/Kg dry	169993	7.065	1	000066-25-1	81	SW-846 8260D	12/2/21	12/2/21 6:52	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Acenaphthylene	ND	0.19	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Anthracene	ND	0.19	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Benzo(a)anthracene	ND	0.19	0.053	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Benzo(a)pyrene	ND	0.19	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Benzo(b)fluoranthene	ND	0.19	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Benzo(g,h,i)perylene	ND	0.19	0.080	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Benzo(k)fluoranthene	ND	0.19	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Bis(2-chloroethoxy)methane	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Bis(2-chloroethyl)ether	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
4-Bromophenylphenylether	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Butylbenzylphthalate	ND	0.38	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Carbazole	ND	0.19	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
4-Chloroaniline	ND	0.74	0.051	mg/Kg dry	1	V-34	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
4-Chloro-3-methylphenol	ND	0.74	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2-Chloronaphthalene	ND	0.38	0.044	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2-Chlorophenol	ND	0.38	0.053	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
4-Chlorophenylphenylether	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Chrysene	ND	0.19	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Dibenz(a,h)anthracene	ND	0.19	0.077	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Dibenzofuran	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
1,2-Dichlorobenzene	ND	0.38	0.043	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
1,3-Dichlorobenzene	ND	0.38	0.042	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
1,4-Dichlorobenzene	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
3,3-Dichlorobenzidine	ND	0.19	0.056	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2,4-Dichlorophenol	ND	0.38	0.057	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Diethylphthalate	ND	0.38	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2,4-Dimethylphenol	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Dimethylphthalate	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
4,6-Dinitro-2-methylphenol	ND	0.38	0.26	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2,4-Dinitrophenol	ND	0.74	0.33	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2,4-Dinitrotoluene	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2,6-Dinitrotoluene	ND	0.38	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Di-n-octylphthalate	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Fluoranthene	ND	0.19	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Fluorene	ND	0.19	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Hexachlorobenzene	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Hexachlorobutadiene	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Hexachlorocyclopentadiene	ND	0.38	0.16	mg/Kg dry	1	MS-09	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Hexachloroethane	ND	0.38	0.045	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Indeno(1,2,3-cd)pyrene	ND	0.19	0.086	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Isophorone	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2-Methylnaphthalene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	0.071	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
3/4-Methylphenol	ND	0.38	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Naphthalene	ND	0.19	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2-Nitroaniline	ND	0.38	0.081	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
3-Nitroaniline	ND	0.38	0.065	mg/Kg dry	1	V-20	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
4-Nitroaniline	ND	0.38	0.082	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Nitrobenzene	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2-Nitrophenol	ND	0.38	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
4-Nitrophenol	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
N-Nitrosodimethylamine	ND	0.38	0.057	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
N-Nitrosodi-n-propylamine	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Pentachlorophenol	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Phenanthrene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Phenol	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Pyrene	ND	0.19	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Pyridine	ND	0.38	0.039	mg/Kg dry	1	MS-09	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
1,2,4-Trichlorobenzene	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2,4,5-Trichlorophenol	ND	0.38	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR
2,4,6-Trichlorophenol	ND	0.38	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:26	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	53.5	30-130		12/14/21 15:26
Phenol-d6	54.0	30-130		12/14/21 15:26
Nitrobenzene-d5	52.8	30-130		12/14/21 15:26
2-Fluorobiphenyl	57.6	30-130		12/14/21 15:26
2,4,6-Tribromophenol	56.3	30-130		12/14/21 15:26
p-Terphenyl-d14	65.4	30-130		12/14/21 15:26

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.gamma.-Sitosterol	0.85	mg/Kg dry	564049	13.919	1	000083-47-6	99	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Octadecanal	0.49	mg/Kg dry	323511	12.163	1	000638-66-4	95	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Oxirane, heptadecyl-	0.61	mg/Kg dry	403789	13.366	1	067860-04-2	91	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Oxirane, hexadecyl-	0.42	mg/Kg dry	281720	10.647	1	007390-81-0	91	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Tridecanoic acid	0.35	mg/Kg dry	288546	6.473	1	000638-53-9	97	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Triphenylphosphine oxide	0.38	mg/Kg dry	310449	8.88	1	000791-28-6	97	SW-846 8270E	12/13/21	12/14/21 15:26	IMR
Tritetracontane	0.89	mg/Kg dry	593924	11.09	1	007098-21-7	91	SW-846 8270E	12/13/21	12/14/21 15:26	IMR

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0055	0.00031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
gamma-Chlordane [1]	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Alachlor [1]	ND	0.022	0.011	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Aldrin [1]	ND	0.0055	0.0029	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
alpha-BHC [1]	ND	0.0055	0.0028	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
beta-BHC [1]	ND	0.0055	0.0030	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
delta-BHC [1]	ND	0.0055	0.0042	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
gamma-BHC (Lindane) [1]	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
4,4'-DDD [1]	ND	0.0044	0.0031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
4,4'-DDE [1]	ND	0.0044	0.0031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
4,4'-DDT [1]	ND	0.0044	0.0037	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Dieldrin [1]	ND	0.0044	0.0032	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Endosulfan I [1]	ND	0.0055	0.0029	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Endosulfan II [1]	ND	0.0089	0.0030	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Endosulfan sulfate [1]	ND	0.0089	0.0031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Endrin [1]	ND	0.0089	0.0034	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Endrin aldehyde [1]	ND	0.0089	0.0033	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Endrin ketone [1]	ND	0.0089	0.0042	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Heptachlor [1]	ND	0.0055	0.0035	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Heptachlor epoxide [1]	ND	0.0055	0.0030	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Methoxychlor [1]	ND	0.055	0.016	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG
Toxaphene [1]	ND	0.11	0.045	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.2	30-150		12/16/21 10:06
Decachlorobiphenyl [2]	76.3	30-150		12/16/21 10:06
Tetrachloro-m-xylene [1]	67.3	30-150		12/16/21 10:06
Tetrachloro-m-xylene [2]	73.7	30-150		12/16/21 10:06

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	0.053	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG
Aroclor-1221 [1]	ND	0.089	0.058	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG
Aroclor-1232 [1]	ND	0.089	0.040	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG
Aroclor-1242 [1]	ND	0.089	0.044	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG
Aroclor-1248 [1]	ND	0.089	0.053	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG
Aroclor-1254 [1]	ND	0.089	0.058	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG
Aroclor-1260 [1]	ND	0.089	0.062	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG
Aroclor-1262 [1]	ND	0.089	0.044	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG
Aroclor-1268 [1]	ND	0.089	0.035	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:17	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.1	30-150		12/15/21 15:17
Decachlorobiphenyl [2]	90.8	30-150		12/15/21 15:17
Tetrachloro-m-xylene [1]	76.0	30-150		12/15/21 15:17
Tetrachloro-m-xylene [2]	87.5	30-150		12/15/21 15:17

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	110	9.8	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
2,4-DB [1]	ND	110	23	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
2,4,5-TP (Silvex) [1]	ND	11	1.2	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
2,4,5-T [1]	ND	11	1.5	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
Dalalpon [1]	ND	280	17	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
Dicamba [1]	ND	11	1.6	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
Dichloroprop [1]	ND	110	21	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
Dinoseb [1]	ND	56	2.3	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
MCPA [1]	ND	11000	1700	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG
MCPP [1]	ND	11000	1500	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 4:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	86.9	30-150		12/15/21 4:44
2,4-Dichlorophenylacetic acid [2]	89.2	30-150		12/15/21 4:44

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3900	18	6.6	mg/Kg dry	1	MS-19	SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Antimony	ND	1.8	0.73	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Arsenic	3.4	3.6	1.3	mg/Kg dry	1	J	SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Barium	28	1.8	0.69	mg/Kg dry	1	MS-07	SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Beryllium	0.25	0.18	0.069	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Cadmium	ND	0.36	0.19	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Calcium	55000	91	35	mg/Kg dry	5	MS-19	SW-846 6010D	12/3/21	12/6/21 17:35	QNW
Chromium	6.0	0.73	0.41	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Cobalt	6.0	1.8	0.67	mg/Kg dry	1	MS-07	SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Copper	5.5	0.73	0.35	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Iron	10000	18	7.3	mg/Kg dry	1	MS-19	SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Lead	3.8	0.55	0.27	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Magnesium	11000	91	32	mg/Kg dry	5	MS-19, R-02	SW-846 6010D	12/3/21	12/6/21 17:35	QNW
Manganese	280	0.36	0.14	mg/Kg dry	1	MS-19	SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Mercury	ND	0.028	0.0095	mg/Kg dry	1		SW-846 7471B	12/2/21	12/3/21 9:08	DRL
Nickel	6.8	0.73	0.37	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Potassium	710	180	69	mg/Kg dry	1	MS-19	SW-846 6010D	12/3/21	12/4/21 21:09	QNW
Selenium	ND	3.6	1.3	mg/Kg dry	1	MS-14	SW-846 6010D	12/3/21	12/4/21 21:09	QNW
Silver	ND	0.36	0.17	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Sodium	ND	180	71	mg/Kg dry	1	MS-14	SW-846 6010D	12/3/21	12/4/21 21:09	QNW
Thallium	ND	1.8	0.87	mg/Kg dry	1	MS-14	SW-846 6010D	12/3/21	12/4/21 21:09	QNW
Vanadium	11	0.73	0.36	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:25	QNW
Zinc	21	0.73	0.47	mg/Kg dry	1	MS-07	SW-846 6010D	12/3/21	12/5/21 1:25	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0072-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6			% Wt	1		SM 2540G	12/2/21	12/3/21 11:06	WAT
Cyanide	1.4	0.55	0.39	mg/Kg dry	1		SW-846 9014	12/2/21	12/2/21 14:45	DJM

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0072-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.067	0.13	0.043	mg/Kg dry	1	J	SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Benzene	ND	0.0027	0.00063	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Bromochloromethane	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Bromodichloromethane	ND	0.0027	0.00064	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Bromoform	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Bromomethane	ND	0.013	0.0049	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
2-Butanone (MEK)	ND	0.054	0.016	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Carbon Disulfide	ND	0.013	0.0096	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Carbon Tetrachloride	ND	0.0027	0.0010	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Chlorobenzene	ND	0.0027	0.00072	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Chlorodibromomethane	ND	0.0013	0.00069	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Chloroethane	ND	0.027	0.0047	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Chloroform	ND	0.0054	0.0013	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Chloromethane	ND	0.013	0.0044	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Cyclohexane	ND	0.013	0.0055	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.00090	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00084	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00057	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,4-Dichlorobenzene	ND	0.0027	0.00069	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0016	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,1-Dichloroethane	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,2-Dichloroethane	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,1-Dichloroethylene	ND	0.0054	0.0017	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.00071	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
trans-1,2-Dichloroethylene	ND	0.0027	0.00075	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,2-Dichloropropane	ND	0.0027	0.00064	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00052	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00066	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,4-Dioxane	ND	0.13	0.030	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Ethylbenzene	ND	0.0027	0.00060	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
2-Hexanone (MBK)	ND	0.027	0.0078	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00096	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Methyl Acetate	ND	0.0027	0.0018	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0054	0.00050	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Methyl Cyclohexane	ND	0.0027	0.00098	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Methylene Chloride	ND	0.027	0.00075	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.0059	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Styrene	ND	0.0027	0.00057	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00074	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Tetrachloroethylene	ND	0.0027	0.00073	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Toluene	ND	0.0027	0.00075	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.00073	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.00065	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0072-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0027	0.00091	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,1,2-Trichloroethane	ND	0.0027	0.00062	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Trichloroethylene	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.0048	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
Vinyl Chloride	ND	0.013	0.0041	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
m+p Xylene	ND	0.0054	0.0010	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF
o-Xylene	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	104	70-130		12/2/21	9:25
Toluene-d8	99.7	70-130		12/2/21	9:25
4-Bromofluorobenzene	95.8	70-130		12/2/21	9:25

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0072-04

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexanal	0.023	mg/Kg dry	355072	7.065	1	000066-25-1	93	SW-846 8260D	12/2/21	12/2/21 9:25	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0072-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.25	0.080	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Acenaphthylene	ND	0.25	0.078	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Anthracene	ND	0.25	0.083	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Benzo(a)anthracene	ND	0.25	0.071	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Benzo(a)pyrene	ND	0.25	0.078	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Benzo(b)fluoranthene	ND	0.25	0.077	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Benzo(g,h,i)perylene	ND	0.25	0.11	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Benzo(k)fluoranthene	ND	0.25	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Bis(2-chloroethoxy)methane	ND	0.51	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Bis(2-chloroethyl)ether	ND	0.51	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.51	0.086	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
4-Bromophenylphenylether	ND	0.51	0.065	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Butylbenzylphthalate	ND	0.51	0.081	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Carbazole	ND	0.25	0.084	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
4-Chloroaniline	ND	0.99	0.068	mg/Kg dry	1	V-34	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
4-Chloro-3-methylphenol	ND	0.99	0.084	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2-Chloronaphthalene	ND	0.51	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2-Chlorophenol	ND	0.51	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
4-Chlorophenylphenylether	ND	0.51	0.073	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Chrysene	ND	0.25	0.074	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Dibenz(a,h)anthracene	ND	0.25	0.10	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Dibenzofuran	ND	0.51	0.075	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
1,2-Dichlorobenzene	ND	0.51	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
1,3-Dichlorobenzene	ND	0.51	0.056	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
1,4-Dichlorobenzene	ND	0.51	0.053	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
3,3-Dichlorobenzidine	ND	0.25	0.074	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2,4-Dichlorophenol	ND	0.51	0.076	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Diethylphthalate	ND	0.51	0.078	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2,4-Dimethylphenol	ND	0.51	0.14	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Dimethylphthalate	ND	0.51	0.074	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
4,6-Dinitro-2-methylphenol	ND	0.51	0.34	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2,4-Dinitrophenol	ND	0.99	0.44	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2,4-Dinitrotoluene	ND	0.51	0.099	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2,6-Dinitrotoluene	ND	0.51	0.085	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Di-n-octylphthalate	ND	0.51	0.18	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Fluoranthene	ND	0.25	0.081	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Fluorene	ND	0.25	0.086	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Hexachlorobenzene	ND	0.51	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Hexachlorobutadiene	ND	0.51	0.065	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Hexachlorocyclopentadiene	ND	0.51	0.21	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Hexachloroethane	ND	0.51	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Indeno(1,2,3-cd)pyrene	ND	0.25	0.12	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Isophorone	ND	0.51	0.085	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2-Methylnaphthalene	ND	0.25	0.080	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0072-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.51	0.094	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
3/4-Methylphenol	ND	0.51	0.082	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Naphthalene	ND	0.25	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2-Nitroaniline	ND	0.51	0.11	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
3-Nitroaniline	ND	0.51	0.087	mg/Kg dry	1	V-20	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
4-Nitroaniline	ND	0.51	0.11	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Nitrobenzene	ND	0.51	0.074	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2-Nitrophenol	ND	0.51	0.080	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
4-Nitrophenol	ND	0.99	0.21	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
N-Nitrosodimethylamine	ND	0.51	0.076	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
N-Nitrosodi-n-propylamine	ND	0.51	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Pentachlorophenol	ND	0.51	0.22	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Phenanthrene	ND	0.25	0.080	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Phenol	ND	0.51	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Pyrene	ND	0.25	0.081	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Pyridine	ND	0.51	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.51	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
1,2,4-Trichlorobenzene	ND	0.51	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2,4,5-Trichlorophenol	ND	0.51	0.079	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2,4,6-Trichlorophenol	ND	0.51	0.079	mg/Kg dry	1		SW-846 8270E	12/13/21	12/14/21 15:51	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	49.2	30-130		12/14/21 15:51
Phenol-d6	50.5	30-130		12/14/21 15:51
Nitrobenzene-d5	49.5	30-130		12/14/21 15:51
2-Fluorobiphenyl	52.2	30-130		12/14/21 15:51
2,4,6-Tribromophenol	56.4	30-130		12/14/21 15:51
p-Terphenyl-d14	63.4	30-130		12/14/21 15:51

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0072-04

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.gamma.-Sitosterol	3.3	mg/Kg dry	1498280	13.924	1	000083-47-6	99	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
16-Octadecenal	3.0	mg/Kg dry	1359500	10.649	1	056554-87-1	93	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
2-Butenedioic acid (Z)-, mo...	2.6	mg/Kg dry	1191200	12.575	1	002424-61-5	90	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
5-Eicosene, (E)-	2.9	mg/Kg dry	1652250	8.525	1	074685-30-6	98	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Cyclohexadecane	4.7	mg/Kg dry	2140450	11.105	1	000295-65-8	90	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Ethanol, 2-(tetradecyloxy)-	4.8	mg/Kg dry	2744710	9.702	1	002136-70-1	94	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Octadecanal	2.4	mg/Kg dry	1123650	13.371	1	000638-66-4	90	SW-846 8270E	12/13/21	12/14/21 15:51	IMR
Oxirane, heptadecyl-	7.2	mg/Kg dry	3318860	12.168	1	067860-04-2	91	SW-846 8270E	12/13/21	12/14/21 15:51	IMR

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0072-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.7			% Wt	1		SM 2540G	12/2/21	12/3/21 11:06	WAT

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.040	0.10	0.033	mg/Kg dry	1	J	SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Benzene	ND	0.0020	0.00048	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Bromochloromethane	ND	0.0020	0.00097	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Bromodichloromethane	ND	0.0020	0.00049	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Bromoform	ND	0.0020	0.00062	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Bromomethane	ND	0.010	0.0038	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
2-Butanone (MEK)	ND	0.041	0.012	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Carbon Disulfide	ND	0.010	0.0073	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Carbon Tetrachloride	ND	0.0020	0.00079	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Chlorobenzene	ND	0.0020	0.00055	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Chlorodibromomethane	ND	0.0010	0.00052	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Chloroethane	ND	0.020	0.0036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Chloroform	ND	0.0041	0.0010	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Chloromethane	ND	0.010	0.0033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Cyclohexane	ND	0.010	0.0042	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	0.00068	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00064	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,2-Dichlorobenzene	ND	0.0020	0.00041	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,3-Dichlorobenzene	ND	0.0020	0.00043	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,4-Dichlorobenzene	ND	0.0020	0.00052	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	0.0012	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,1-Dichloroethane	ND	0.0020	0.00051	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,2-Dichloroethane	ND	0.0020	0.00063	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,1-Dichloroethylene	ND	0.0041	0.0013	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
cis-1,2-Dichloroethylene	ND	0.0020	0.00054	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
trans-1,2-Dichloroethylene	ND	0.0020	0.00057	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,2-Dichloropropane	ND	0.0020	0.00048	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00040	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00050	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,4-Dioxane	ND	0.10	0.022	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Ethylbenzene	ND	0.0020	0.00046	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
2-Hexanone (MBK)	ND	0.020	0.0059	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Isopropylbenzene (Cumene)	ND	0.0020	0.00073	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Methyl Acetate	ND	0.0020	0.0014	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	0.00038	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Methyl Cyclohexane	ND	0.0020	0.00074	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Methylene Chloride	ND	0.020	0.00057	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	0.0045	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Styrene	ND	0.0020	0.00043	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00056	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Tetrachloroethylene	ND	0.0020	0.00056	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Toluene	ND	0.0020	0.00057	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,2,3-Trichlorobenzene	ND	0.0020	0.00056	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,2,4-Trichlorobenzene	ND	0.0020	0.00049	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0020	0.00069	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,1,2-Trichloroethane	ND	0.0020	0.00047	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Trichloroethylene	ND	0.0020	0.00050	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.0037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.0027	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
Vinyl Chloride	ND	0.010	0.0031	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
m+p Xylene	ND	0.0041	0.00077	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF
o-Xylene	ND	0.0020	0.00042	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 9:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		12/2/21 9:51
Toluene-d8	101	70-130		12/2/21 9:51
4-Bromofluorobenzene	99.6	70-130		12/2/21 9:51

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/2/21	12/2/21 9:51	MFF

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.23	0.071	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Acenaphthylene	ND	0.23	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Anthracene	ND	0.23	0.074	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Benzo(a)anthracene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Benzo(a)pyrene	ND	0.23	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Benzo(b)fluoranthene	ND	0.23	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Benzo(g,h,i)perylene	ND	0.23	0.095	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Benzo(k)fluoranthene	ND	0.23	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Bis(2-chloroethoxy)methane	ND	0.45	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Bis(2-chloroethyl)ether	ND	0.45	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	0.076	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
4-Bromophenylphenylether	ND	0.45	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Butylbenzylphthalate	ND	0.45	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Carbazole	ND	0.23	0.075	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
4-Chloroaniline	ND	0.88	0.060	mg/Kg dry	1	V-34	SW-846 8270E	12/13/21	12/15/21 11:10	BGL
4-Chloro-3-methylphenol	ND	0.88	0.075	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2-Chloronaphthalene	ND	0.45	0.053	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2-Chlorophenol	ND	0.45	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
4-Chlorophenylphenylether	ND	0.45	0.065	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Chrysene	ND	0.23	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Dibenz(a,h)anthracene	ND	0.23	0.092	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Dibenzofuran	ND	0.45	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
1,2-Dichlorobenzene	ND	0.45	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
1,3-Dichlorobenzene	ND	0.45	0.050	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
1,4-Dichlorobenzene	ND	0.45	0.047	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
3,3-Dichlorobenzidine	ND	0.23	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2,4-Dichlorophenol	ND	0.45	0.067	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Diethylphthalate	ND	0.45	0.069	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2,4-Dimethylphenol	ND	0.45	0.12	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Dimethylphthalate	ND	0.45	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	0.30	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2,4-Dinitrophenol	ND	0.88	0.39	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2,4-Dinitrotoluene	ND	0.45	0.089	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2,6-Dinitrotoluene	ND	0.45	0.075	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Di-n-octylphthalate	ND	0.45	0.16	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Fluoranthene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Fluorene	ND	0.23	0.076	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Hexachlorobenzene	ND	0.45	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Hexachlorobutadiene	ND	0.45	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Hexachlorocyclopentadiene	ND	0.45	0.19	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Hexachloroethane	ND	0.45	0.054	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Indeno(1,2,3-cd)pyrene	ND	0.23	0.10	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Isophorone	ND	0.45	0.076	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2-Methylnaphthalene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.45	0.084	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
3/4-Methylphenol	ND	0.45	0.073	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Naphthalene	ND	0.23	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2-Nitroaniline	ND	0.45	0.097	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
3-Nitroaniline	ND	0.45	0.077	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
4-Nitroaniline	ND	0.45	0.097	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Nitrobenzene	ND	0.45	0.066	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2-Nitrophenol	ND	0.45	0.071	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
4-Nitrophenol	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
N-Nitrosodimethylamine	ND	0.45	0.068	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
N-Nitrosodi-n-propylamine	ND	0.45	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Pentachlorophenol	ND	0.45	0.20	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Phenanthrene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Phenol	ND	0.45	0.065	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Pyrene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
Pyridine	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
1,2,4-Trichlorobenzene	ND	0.45	0.057	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2,4,5-Trichlorophenol	ND	0.45	0.071	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL
2,4,6-Trichlorophenol	ND	0.45	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:10	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.9	30-130		12/15/21 11:10
Phenol-d6	50.0	30-130		12/15/21 11:10
Nitrobenzene-d5	45.9	30-130		12/15/21 11:10
2-Fluorobiphenyl	53.8	30-130		12/15/21 11:10
2,4,6-Tribromophenol	56.2	30-130		12/15/21 11:10
p-Terphenyl-d14	64.6	30-130		12/15/21 11:10

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.beta.-Sitosterol	0.79	mg/Kg dry	388425	13.924	1	000083-46-5	91	SW-846 8270E	12/13/21	12/15/21 11:10	IMR
2- Chloropropionic acid, oc...	0.61	mg/Kg dry	338573	8.53	1	088104-31-8	91	SW-846 8270E	12/13/21	12/15/21 11:10	IMR
Cyclopentadecane	0.97	mg/Kg dry	541747	9.702	1	000295-48-7	97	SW-846 8270E	12/13/21	12/15/21 11:10	IMR
n-Hexadecanoic acid	0.33	mg/Kg dry	204196	6.473	1	000057-10-3	98	SW-846 8270E	12/13/21	12/15/21 11:10	IMR
Tetradecanal	0.44	mg/Kg dry	218145	12.168	1	000124-25-4	91	SW-846 8270E	12/13/21	12/15/21 11:10	IMR
Triphenylphosphine oxide	0.59	mg/Kg dry	331133	8.883	1	000791-28-6	93	SW-846 8270E	12/13/21	12/15/21 11:10	IMR

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0065	0.00037	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
gamma-Chlordane [1]	ND	0.0065	0.0013	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Alachlor [1]	ND	0.026	0.013	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Aldrin [1]	ND	0.0065	0.0034	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
alpha-BHC [1]	ND	0.0065	0.0033	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
beta-BHC [1]	ND	0.0065	0.0035	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
delta-BHC [1]	ND	0.0065	0.0050	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
gamma-BHC (Lindane) [1]	ND	0.0026	0.00065	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
4,4'-DDD [1]	ND	0.0052	0.0037	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
4,4'-DDE [1]	ND	0.0052	0.0037	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
4,4'-DDT [1]	ND	0.0052	0.0043	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Dieldrin [1]	ND	0.0052	0.0038	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Endosulfan I [1]	ND	0.0065	0.0034	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Endosulfan II [1]	ND	0.010	0.0035	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Endosulfan sulfate [1]	ND	0.010	0.0037	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Endrin [1]	ND	0.010	0.0040	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Endrin aldehyde [1]	ND	0.010	0.0039	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Endrin ketone [1]	ND	0.010	0.0050	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Heptachlor [1]	ND	0.0065	0.0042	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Heptachlor epoxide [1]	ND	0.0065	0.0035	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Methoxychlor [1]	ND	0.065	0.019	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG
Toxaphene [1]	ND	0.13	0.053	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 10:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	46.3	30-150		12/16/21 10:33
Decachlorobiphenyl [2]	53.3	30-150		12/16/21 10:33
Tetrachloro-m-xylene [1]	50.4	30-150		12/16/21 10:33
Tetrachloro-m-xylene [2]	50.4	30-150		12/16/21 10:33

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	0.063	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG
Aroclor-1221 [1]	ND	0.10	0.068	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG
Aroclor-1232 [1]	ND	0.10	0.047	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG
Aroclor-1242 [1]	ND	0.10	0.052	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG
Aroclor-1248 [1]	ND	0.10	0.063	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG
Aroclor-1254 [1]	ND	0.10	0.068	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG
Aroclor-1260 [1]	ND	0.10	0.073	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG
Aroclor-1262 [1]	ND	0.10	0.052	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG
Aroclor-1268 [1]	ND	0.10	0.042	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.7	30-150		12/15/21 15:35
Decachlorobiphenyl [2]	71.0	30-150		12/15/21 15:35
Tetrachloro-m-xylene [1]	57.9	30-150		12/15/21 15:35
Tetrachloro-m-xylene [2]	66.5	30-150		12/15/21 15:35

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	130	12	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
2,4-DB [1]	ND	130	27	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
2,4,5-TP (Silvex) [1]	ND	13	1.5	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
2,4,5-T [1]	ND	13	1.8	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
Dalalpon [1]	ND	340	20	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
Dicamba [1]	ND	13	1.9	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
Dichloroprop [1]	ND	130	25	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
Dinoseb [1]	ND	67	2.8	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
MCPA [1]	ND	13000	2000	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG
MCPP [1]	ND	13000	1800	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 5:23	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	74.9	30-150		12/15/21 5:23
2,4-Dichlorophenylacetic acid [2]	75.6	30-150		12/15/21 5:23

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	7900	22	8.2	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Antimony	ND	2.2	0.90	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Arsenic	ND	4.5	1.6	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Barium	28	2.2	0.85	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Beryllium	0.20	0.22	0.085	mg/Kg dry	1	J	SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Cadmium	ND	0.45	0.23	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Calcium	1100	22	8.7	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Chromium	6.5	0.89	0.51	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Cobalt	2.1	2.2	0.82	mg/Kg dry	1	J	SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Copper	1.7	0.89	0.43	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Iron	4800	22	9.0	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Lead	6.0	0.67	0.33	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Magnesium	660	22	7.8	mg/Kg dry	1		SW-846 6010D	12/3/21	12/4/21 21:35	QNW
Manganese	22	0.45	0.17	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Mercury	0.038	0.033	0.011	mg/Kg dry	1		SW-846 7471B	12/2/21	12/3/21 9:41	DRL
Nickel	4.4	0.89	0.45	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Potassium	220	220	84	mg/Kg dry	1	J	SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Selenium	ND	4.5	1.6	mg/Kg dry	1		SW-846 6010D	12/3/21	12/4/21 21:35	QNW
Silver	ND	0.45	0.20	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Sodium	ND	220	87	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Thallium	ND	2.2	1.1	mg/Kg dry	1		SW-846 6010D	12/3/21	12/4/21 21:35	QNW
Vanadium	9.2	0.89	0.44	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW
Zinc	26	0.89	0.57	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:38	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0072-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.4			% Wt	1		SM 2540G	12/2/21	12/3/21 11:06	WAT
Cyanide	ND	0.64	0.45	mg/Kg dry	1		SW-846 9014	12/2/21	12/2/21 14:45	DJM

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: DUP-SS | Sampled: 11/30/2021 12:15

Sample ID: 21L0072-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.068	0.022	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Benzene	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Bromochloromethane	ND	0.0014	0.00065	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Bromodichloromethane	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Bromoform	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Bromomethane	ND	0.0068	0.0025	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
2-Butanone (MEK)	ND	0.027	0.0083	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Carbon Disulfide	ND	0.0068	0.0049	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Carbon Tetrachloride	ND	0.0014	0.00053	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Chlorobenzene	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Chlorodibromomethane	ND	0.00068	0.00035	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Chloroethane	ND	0.014	0.0024	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Chloroform	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Chloromethane	ND	0.0068	0.0022	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Cyclohexane	ND	0.0068	0.0028	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,2-Dibromoethane (EDB)	ND	0.00068	0.00043	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00027	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00079	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,1-Dichloroethane	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,2-Dichloroethane	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,1-Dichloroethylene	ND	0.0027	0.00085	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
trans-1,2-Dichloroethylene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,2-Dichloropropane	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
cis-1,3-Dichloropropene	ND	0.00068	0.00026	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
trans-1,3-Dichloropropene	ND	0.00068	0.00033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,4-Dioxane	ND	0.068	0.015	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Ethylbenzene	ND	0.0014	0.00031	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
2-Hexanone (MBK)	ND	0.014	0.0039	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00049	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Methyl Acetate	ND	0.0014	0.00092	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	0.00026	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Methyl Cyclohexane	ND	0.0014	0.00050	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Methylene Chloride	ND	0.014	0.00038	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0030	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Styrene	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.00068	0.00037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Tetrachloroethylene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Toluene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,2,3-Trichlorobenzene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF

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Sample ID: 21L0072-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Trichloroethylene	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0068	0.0025	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0068	0.0018	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
Vinyl Chloride	ND	0.0068	0.0021	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
m+p Xylene	ND	0.0027	0.00052	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF
o-Xylene	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260D	12/2/21	12/2/21 10:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		12/2/21 10:16
Toluene-d8	101	70-130		12/2/21 10:16
4-Bromofluorobenzene	100	70-130		12/2/21 10:16

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Sample ID: 21L0072-06

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexanal	0.011	mg/Kg dry	352607	7.065	1	000066-25-1	81	SW-846 8260D	12/2/21	12/2/21 10:16	MFF

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Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Acenaphthylene	ND	0.19	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Anthracene	ND	0.19	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Benzo(a)anthracene	ND	0.19	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Benzo(a)pyrene	ND	0.19	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Benzo(b)fluoranthene	ND	0.19	0.057	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Benzo(g,h,i)perylene	ND	0.19	0.079	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Benzo(k)fluoranthene	ND	0.19	0.051	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Bis(2-chloroethoxy)methane	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Bis(2-chloroethyl)ether	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
4-Bromophenylphenylether	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Butylbenzylphthalate	ND	0.38	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Carbazole	ND	0.19	0.062	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
4-Chloroaniline	ND	0.73	0.050	mg/Kg dry	1	V-34	SW-846 8270E	12/13/21	12/15/21 11:36	BGL
4-Chloro-3-methylphenol	ND	0.73	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2-Chloronaphthalene	ND	0.38	0.044	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2-Chlorophenol	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
4-Chlorophenylphenylether	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Chrysene	ND	0.19	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Dibenz(a,h)anthracene	ND	0.19	0.077	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Dibenzofuran	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
1,2-Dichlorobenzene	ND	0.38	0.043	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
1,3-Dichlorobenzene	ND	0.38	0.041	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
1,4-Dichlorobenzene	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
3,3-Dichlorobenzidine	ND	0.19	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2,4-Dichlorophenol	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Diethylphthalate	ND	0.38	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2,4-Dimethylphenol	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Dimethylphthalate	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	0.25	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2,4-Dinitrophenol	ND	0.73	0.33	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2,4-Dinitrotoluene	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2,6-Dinitrotoluene	ND	0.38	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Di-n-octylphthalate	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Fluoranthene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Fluorene	ND	0.19	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Hexachlorobenzene	ND	0.38	0.051	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Hexachlorobutadiene	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Hexachlorocyclopentadiene	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Hexachloroethane	ND	0.38	0.045	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	0.085	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Isophorone	ND	0.38	0.063	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2-Methylnaphthalene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL

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Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	0.070	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
3/4-Methylphenol	ND	0.38	0.061	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Naphthalene	ND	0.19	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2-Nitroaniline	ND	0.38	0.080	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
3-Nitroaniline	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
4-Nitroaniline	ND	0.38	0.081	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Nitrobenzene	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2-Nitrophenol	ND	0.38	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
4-Nitrophenol	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
N-Nitrosodimethylamine	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
N-Nitrosodi-n-propylamine	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Pentachlorophenol	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Phenanthrene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Phenol	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Pyrene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
Pyridine	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
1,2,4-Trichlorobenzene	ND	0.38	0.047	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2,4,5-Trichlorophenol	ND	0.38	0.059	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL
2,4,6-Trichlorophenol	ND	0.38	0.058	mg/Kg dry	1		SW-846 8270E	12/13/21	12/15/21 11:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.1	30-130		12/15/21 11:36
Phenol-d6	49.6	30-130		12/15/21 11:36
Nitrobenzene-d5	45.6	30-130		12/15/21 11:36
2-Fluorobiphenyl	52.7	30-130		12/15/21 11:36
2,4,6-Tribromophenol	45.5	30-130		12/15/21 11:36
p-Terphenyl-d14	62.4	30-130		12/15/21 11:36

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Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.beta.-Sitosterol	1.2	mg/Kg dry	743266	13.924	1	000083-46-5	99	SW-846 8270E	12/13/21	12/15/21 11:36	IMR
n-Hexadecanoic acid	0.37	mg/Kg dry	297063	6.473	1	000057-10-3	98	SW-846 8270E	12/13/21	12/15/21 11:36	IMR
Nonadecane	1.2	mg/Kg dry	709514	11.089	1	000629-92-5	94	SW-846 8270E	12/13/21	12/15/21 11:36	IMR
Octadecanal	0.83	mg/Kg dry	501776	12.168	1	000638-66-4	96	SW-846 8270E	12/13/21	12/15/21 11:36	IMR
Oxirane, heptadecyl-	0.43	mg/Kg dry	257598	10.654	1	067860-04-2	96	SW-846 8270E	12/13/21	12/15/21 11:36	IMR
Oxirane, hexadecyl-	0.90	mg/Kg dry	540102	13.368	1	007390-81-0	90	SW-846 8270E	12/13/21	12/15/21 11:36	IMR
Phosphine imide, P,P,P-trip...	0.46	mg/Kg dry	328586	8.883	1	002240-47-3	96	SW-846 8270E	12/13/21	12/15/21 11:36	IMR

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Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0056	0.00031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
gamma-Chlordane [1]	ND	0.0056	0.0011	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Alachlor [1]	ND	0.022	0.011	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Aldrin [1]	ND	0.0056	0.0029	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
alpha-BHC [1]	ND	0.0056	0.0028	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
beta-BHC [1]	ND	0.0056	0.0030	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
delta-BHC [1]	ND	0.0056	0.0043	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
gamma-BHC (Lindane) [1]	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
4,4'-DDD [1]	ND	0.0045	0.0031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
4,4'-DDE [1]	ND	0.0045	0.0031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
4,4'-DDT [1]	ND	0.0045	0.0037	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Dieldrin [1]	ND	0.0045	0.0032	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Endosulfan I [1]	ND	0.0056	0.0029	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Endosulfan II [1]	ND	0.0089	0.0030	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Endosulfan sulfate [1]	ND	0.0089	0.0031	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Endrin [1]	ND	0.0089	0.0035	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Endrin aldehyde [1]	ND	0.0089	0.0034	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Endrin ketone [1]	ND	0.0089	0.0043	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Heptachlor [1]	ND	0.0056	0.0036	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Heptachlor epoxide [1]	ND	0.0056	0.0030	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Methoxychlor [1]	ND	0.056	0.017	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG
Toxaphene [1]	ND	0.11	0.045	mg/Kg dry	1		SW-846 8081B	12/14/21	12/16/21 11:00	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	59.6	30-150		12/16/21 11:00
Decachlorobiphenyl [2]	68.7	30-150		12/16/21 11:00
Tetrachloro-m-xylene [1]	64.6	30-150		12/16/21 11:00
Tetrachloro-m-xylene [2]	64.5	30-150		12/16/21 11:00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: DUP-SS | Sampled: 11/30/2021 12:15

Sample ID: 21L0072-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	0.054	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG
Aroclor-1221 [1]	ND	0.089	0.058	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG
Aroclor-1232 [1]	ND	0.089	0.040	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG
Aroclor-1242 [1]	ND	0.089	0.045	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG
Aroclor-1248 [1]	ND	0.089	0.054	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG
Aroclor-1254 [1]	ND	0.089	0.058	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG
Aroclor-1260 [1]	ND	0.089	0.063	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG
Aroclor-1262 [1]	ND	0.089	0.045	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG
Aroclor-1268 [1]	ND	0.089	0.036	mg/Kg dry	4		SW-846 8082A	12/14/21	12/15/21 15:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.4	30-150		12/15/21 15:53
Decachlorobiphenyl [2]	84.7	30-150		12/15/21 15:53
Tetrachloro-m-xylene [1]	70.7	30-150		12/15/21 15:53
Tetrachloro-m-xylene [2]	81.4	30-150		12/15/21 15:53

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: DUP-SS | Sampled: 11/30/2021 12:15

Sample ID: 21L0072-06

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	110	9.7	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
2,4-DB [1]	ND	110	22	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
2,4,5-TP (Silvex) [1]	ND	11	1.2	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
2,4,5-T [1]	ND	11	1.5	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
Dalalpon [1]	ND	280	17	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
Dicamba [1]	ND	11	1.6	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
Dichloroprop [1]	ND	110	21	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
Dinoseb [1]	ND	56	2.3	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
MCPA [1]	ND	11000	1700	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG
MCPP [1]	ND	11000	1500	µg/kg dry	4		SW-846 8151A	12/12/21	12/15/21 9:48	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	89.5	30-150		12/15/21 9:48
2,4-Dichlorophenylacetic acid [2]	90.5	30-150		12/15/21 9:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: DUP-SS | Sampled: 11/30/2021 12:15

Sample ID: 21L0072-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3100	18	6.4	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Antimony	ND	1.8	0.71	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Arsenic	4.6	3.5	1.3	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Barium	20	1.8	0.67	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Beryllium	0.23	0.18	0.067	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Cadmium	ND	0.35	0.18	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Calcium	74000	880	340	mg/Kg dry	50		SW-846 6010D	12/3/21	12/6/21 17:55	QNW
Chromium	5.8	0.70	0.40	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Cobalt	3.4	1.8	0.65	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Copper	5.4	0.70	0.34	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Iron	8400	18	7.1	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Lead	3.8	0.53	0.26	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Magnesium	17000	880	310	mg/Kg dry	50		SW-846 6010D	12/3/21	12/6/21 17:55	QNW
Manganese	220	0.35	0.14	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Mercury	ND	0.028	0.0097	mg/Kg dry	1		SW-846 7471B	12/2/21	12/3/21 9:43	DRL
Nickel	6.2	0.70	0.36	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Potassium	610	180	66	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Selenium	ND	3.5	1.3	mg/Kg dry	1		SW-846 6010D	12/3/21	12/4/21 21:42	QNW
Silver	ND	0.35	0.16	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Sodium	ND	180	69	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Thallium	ND	1.8	0.85	mg/Kg dry	1		SW-846 6010D	12/3/21	12/4/21 21:42	QNW
Vanadium	10	0.70	0.35	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW
Zinc	19	0.70	0.45	mg/Kg dry	1		SW-846 6010D	12/3/21	12/5/21 1:44	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0072

Date Received: 12/1/2021

Field Sample #: DUP-SS | Sampled: 11/30/2021 12:15

Sample ID: 21L0072-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4			% Wt	1		SM 2540G	12/2/21	12/3/21 11:06	WAT
Cyanide	1.4	0.53	0.38	mg/Kg dry	1		SW-846 9014	12/2/21	12/2/21 14:45	DJM

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B295935	Preparation:	SW-846 5035
% Solids:	88.60	Laboratory ID:	B295935-MS1
Initial/Final:	8.42 g / 10 mL	Sample Lab ID:	21L0072-03
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Acetone	0.134	ND	0.151	112		70 - 130
Benzene	0.0134	ND	0.0125	93.1		70 - 130
Bromochloromethane	0.0134	ND	0.0130	96.8		70 - 130
Bromodichloromethane	0.0134	ND	0.0129	96.2		70 - 130
Bromoform	0.0134	ND	0.0118	88.0		70 - 130
Bromomethane	0.0134	ND	0.00839	62.6	*	70 - 130
2-Butanone (MEK)	0.134	ND	0.149	111		70 - 130
Carbon Disulfide	0.0134	ND	0.00677	50.5	*	70 - 130
Carbon Tetrachloride	0.0134	ND	0.0115	85.8		70 - 130
Chlorobenzene	0.0134	ND	0.0122	91.2		70 - 130
Chlorodibromomethane	0.0134	ND	0.0121	90.6		70 - 130
Chloroethane	0.0134	ND	0.00954	71.2		70 - 130
Chloroform	0.0134	ND	0.0132	98.7		70 - 130
Chloromethane	0.0134	ND	0.00843	62.9	*	70 - 130
Cyclohexane	0.0134	ND	0.0113	84.4		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0134	ND	0.0122	91.1		70 - 130
1,2-Dibromoethane (EDB)	0.0134	ND	0.0138	103		70 - 130
1,2-Dichlorobenzene	0.0134	ND	0.0122	91.2		70 - 130
1,3-Dichlorobenzene	0.0134	ND	0.0125	93.5		70 - 130
1,4-Dichlorobenzene	0.0134	ND	0.0124	92.5		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0134	ND	0.0102	76.1		70 - 130
1,1-Dichloroethane	0.0134	ND	0.0134	100		70 - 130
1,2-Dichloroethane	0.0134	ND	0.0129	96.5		70 - 130
1,1-Dichloroethylene	0.0134	ND	0.0108	80.9		70 - 130
cis-1,2-Dichloroethylene	0.0134	ND	0.0133	98.9		70 - 130
trans-1,2-Dichloroethylene	0.0134	ND	0.0107	79.5		70 - 130
1,2-Dichloropropane	0.0134	ND	0.0135	101		70 - 130
cis-1,3-Dichloropropene	0.0134	ND	0.0125	93.4		70 - 130
trans-1,3-Dichloropropene	0.0134	ND	0.0137	102		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B295935	Preparation:	SW-846 5035
% Solids:	88.60	Laboratory ID:	B295935-MS1
Initial/Final:	8.42 g / 10 mL	Sample Lab ID:	21L0072-03
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
1,4-Dioxane	0.134	ND	0.117	86.9		70 - 130
Ethylbenzene	0.0134	ND	0.0121	90.0		70 - 130
2-Hexanone (MBK)	0.134	ND	0.148	110		70 - 130
Isopropylbenzene (Cumene)	0.0134	ND	0.0118	87.8		70 - 130
Methyl Acetate	0.0134	ND	0.0164	123		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0134	ND	0.0144	108		70 - 130
Methyl Cyclohexane	0.0134	ND	0.0107	79.9		70 - 130
Methylene Chloride	0.0134	ND	0.0134	100		70 - 130
4-Methyl-2-pentanone (MIBK)	0.134	ND	0.142	106		70 - 130
Styrene	0.0134	ND	0.0125	92.9		70 - 130
1,1,2,2-Tetrachloroethane	0.0134	ND	0.0128	95.8		70 - 130
Tetrachloroethylene	0.0134	ND	0.0110	82.4		70 - 130
Toluene	0.0134	ND	0.0117	87.5		70 - 130
1,2,3-Trichlorobenzene	0.0134	ND	0.0123	91.5		70 - 130
1,2,4-Trichlorobenzene	0.0134	ND	0.0118	87.7		70 - 130
1,1,1-Trichloroethane	0.0134	ND	0.0122	90.8		70 - 130
1,1,2-Trichloroethane	0.0134	ND	0.0137	102		70 - 130
Trichloroethylene	0.0134	ND	0.0117	87.5		70 - 130
Trichlorofluoromethane (Freon 11)	0.0134	ND	0.0110	82.2		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0134	ND	0.0152	114		70 - 130
Vinyl Chloride	0.0134	ND	0.00908	67.7	*	70 - 130
m+p Xylene	0.0268	ND	0.0234	87.3		70 - 130
o-Xylene	0.0134	ND	0.0118	88.0		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B295935	Preparation:	SW-846 5035
% Solids:	88.60	Laboratory ID:	B295935-MSD1
Initial/Final:	7.73 g / 10 mL	Sample Lab ID:	21L0072-03
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.146	0.166	114		9.51	30	70 - 130
Benzene	0.0146	0.0138	94.4		9.93	30	70 - 130
Bromochloromethane	0.0146	0.0145	99.6		11.4	30	70 - 130
Bromodichloromethane	0.0146	0.0150	102		14.9	30	70 - 130
Bromoform	0.0146	0.0128	87.6		8.09	30	70 - 130
Bromomethane	0.0146	0.0105	72.0		22.4	30	70 - 130
2-Butanone (MEK)	0.146	0.154	106		3.43	30	70 - 130
Carbon Disulfide	0.0146	0.00742	50.8	*	9.14	30	70 - 130
Carbon Tetrachloride	0.0146	0.0128	87.9		11.0	30	70 - 130
Chlorobenzene	0.0146	0.0133	90.8		8.11	30	70 - 130
Chlorodibromomethane	0.0146	0.0136	92.8		10.9	30	70 - 130
Chloroethane	0.0146	0.0108	74.2		12.7	30	70 - 130
Chloroform	0.0146	0.0143	97.7		7.53	30	70 - 130
Chloromethane	0.0146	0.00923	63.2	*	9.02	30	70 - 130
Cyclohexane	0.0146	0.0124	85.0		9.25	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0146	0.0113	77.6		7.49	30	70 - 130
1,2-Dibromoethane (EDB)	0.0146	0.0139	95.3		0.586	30	70 - 130
1,2-Dichlorobenzene	0.0146	0.0130	89.1		6.22	30	70 - 130
1,3-Dichlorobenzene	0.0146	0.0127	86.9		1.23	30	70 - 130
1,4-Dichlorobenzene	0.0146	0.0123	84.4		0.614	30	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0146	0.0112	76.9		9.59	30	70 - 130
1,1-Dichloroethane	0.0146	0.0152	104		12.6	30	70 - 130
1,2-Dichloroethane	0.0146	0.0141	96.7		8.75	30	70 - 130
1,1-Dichloroethylene	0.0146	0.0122	83.7		11.9	30	70 - 130
cis-1,2-Dichloroethylene	0.0146	0.0142	97.5		7.12	30	70 - 130
trans-1,2-Dichloroethylene	0.0146	0.0117	80.3		9.54	30	70 - 130
1,2-Dichloropropane	0.0146	0.0153	105		12.9	30	70 - 130
cis-1,3-Dichloropropene	0.0146	0.0135	92.4		7.47	30	70 - 130
trans-1,3-Dichloropropene	0.0146	0.0147	101		7.26	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B295935	Preparation:	SW-846 5035
% Solids:	88.60	Laboratory ID:	B295935-MSD1
Initial/Final:	7.73 g / 10 mL	Sample Lab ID:	21L0072-03
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dioxane	0.146	0.151	103		25.6	30	70 - 130
Ethylbenzene	0.0146	0.0131	89.9		8.43	30	70 - 130
2-Hexanone (MBK)	0.146	0.152	104		2.36	30	70 - 130
Isopropylbenzene (Cumene)	0.0146	0.0123	84.5		4.72	30	70 - 130
Methyl Acetate	0.0146	0.0174	120		5.91	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0146	0.0152	104		5.05	30	70 - 130
Methyl Cyclohexane	0.0146	0.0114	78.3		6.52	30	70 - 130
Methylene Chloride	0.0146	0.0146	100		8.45	30	70 - 130
4-Methyl-2-pentanone (MIBK)	0.146	0.146	100		3.15	30	70 - 130
Styrene	0.0146	0.0133	91.0		6.48	30	70 - 130
1,1,2,2-Tetrachloroethane	0.0146	0.0139	95.0		7.71	30	70 - 130
Tetrachloroethylene	0.0146	0.0129	88.5		15.7	30	70 - 130
Toluene	0.0146	0.0131	89.5		10.8	30	70 - 130
1,2,3-Trichlorobenzene	0.0146	0.0119	81.6		2.90	30	70 - 130
1,2,4-Trichlorobenzene	0.0146	0.0118	80.8		0.356	30	70 - 130
1,1,1-Trichloroethane	0.0146	0.0139	94.9		12.9	30	70 - 130
1,1,2-Trichloroethane	0.0146	0.0142	97.3		3.83	30	70 - 130
Trichloroethylene	0.0146	0.0132	90.1		11.5	30	70 - 130
Trichlorofluoromethane (Freon 11)	0.0146	0.0123	84.1		10.8	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0146	0.0163	112		6.77	30	70 - 130
Vinyl Chloride	0.0146	0.00972	66.6	*	6.91	30	70 - 130
m+p Xylene	0.0292	0.0253	86.6		7.74	30	70 - 130
o-Xylene	0.0146	0.0132	90.5		11.3	30	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2100436	Instrument:	GCMSVOA4
		Calibration Date:	10/20/2021 8:30:50AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	8.129092E-02	7.5			20	
Acrylonitrile	0.1270659	11.7			20	
tert-Amyl Methyl Ether (TAME)	0.8123302	3.5			20	
Benzene	1.428501	7.7			20	
Bromobenzene	0.8393824	11.6			20	
Bromochloromethane	0.1490811	8.3			20	
Bromodichloromethane	0.285839	12.4			20	
Bromoform	0.2767697	9.6			20	
Bromomethane	0.2287568	12.1			20	
2-Butanone (MEK)	0.1493019	6.2			20	
tert-Butyl Alcohol (TBA)	4.610516E-02	9.4			20	
n-Butylbenzene	2.078515	11.0			20	
sec-Butylbenzene	0.4297714	6.7			20	
tert-Butylbenzene	1.57183	7.8			20	
tert-Butyl Ethyl Ether (TBEE)	1.165984	10.4			20	
Carbon Disulfide	0.8582592	8.4			20	
Carbon Tetrachloride	0.5574134	10.1			20	
Chlorobenzene	1.077909	8.2			20	
Chlorodibromomethane	0.1881067	9.1			20	
Chloroethane	0.2168835	12.1			20	
Chloroform	0.7124083	10.8			20	
Chloromethane	0.4799815	11.0			20	
2-Chlorotoluene	1.483764	10.9			20	
4-Chlorotoluene	1.745769	12.0			20	
Cyclohexane	1.603039	87.3	1.000		0.99	
1,2-Dibromo-3-chloropropane (DBCP)	0.1110976	9.5			20	
1,2-Dibromoethane (EDB)	0.1487521	6.3			20	
Dibromomethane	0.1107365	3.7			20	
1,2-Dichlorobenzene	0.912138	10.2			20	
1,3-Dichlorobenzene	0.9658292	10.7			20	
1,4-Dichlorobenzene	1.009649	9.2			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2100436	Instrument:	GCMSVOA4
		Calibration Date:	10/20/2021 8:30:50AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.1849479	7.6			20	
Dichlorodifluoromethane (Freon 12)	0.451041	5.4			20	
1,1-Dichloroethane	0.7357929	6.1			20	
1,2-Dichloroethane	0.4302499	11.8			20	
1,1-Dichloroethylene	0.5635604	9.9			20	
cis-1,2-Dichloroethylene	0.722497	6.3			20	
trans-1,2-Dichloroethylene	0.6574602	10.1			20	
1,2-Dichloropropane	0.2088891	10.8			20	
1,3-Dichloropropane	0.2715534	6.6			20	
2,2-Dichloropropane	0.6713788	13.7			20	
1,1-Dichloropropene	0.1735977	11.9			20	
cis-1,3-Dichloropropene	0.3288965	7.6			20	
trans-1,3-Dichloropropene	0.2717444	9.6			20	
Diethyl Ether	0.1357813	11.0			20	
Diisopropyl Ether (DIPE)	1.237221	6.8			20	
1,4-Dioxane	1.689695E-03	27.4	0.999		0.99	
Ethanol	3.829904E-03	9.1			20	
Ethylbenzene	2.071402	8.5			20	
Hexachlorobutadiene	0.4422454	6.9			20	
2-Hexanone (MBK)	0.1272647	6.2			20	
Iodomethane	0.3682631	12.8			20	
Isopropylbenzene (Cumene)	0.493607	11.0			20	
p-Isopropyltoluene (p-Cymene)	2.023151	13.3			20	
Methyl Acetate	0.3234822	17.4	1.000		0.99	
Methyl tert-Butyl Ether (MTBE)	0.9294699	9.6			20	
Methyl Cyclohexane	0.3193415	11.3			20	
Methylene Chloride	0.5651008	8.0			20	
4-Methyl-2-pentanone (MIBK)	0.1867754	12.7			20	
Naphthalene	1.271303	10.1			20	
n-Propylbenzene	2.462456	7.3			20	
Styrene	1.23082	10.0			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2100436	Instrument:	GCMSVOA4
		Calibration Date:	10/20/2021 8:30:50AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.3935227	7.7			20	
1,1,2,2-Tetrachloroethane	0.4832584	8.3			20	
Tetrachloroethylene	0.1988957	9.2			20	
Tetrahydrofuran	4.121495E-02	6.9			20	
Toluene	0.8301866	13.4			20	
1,2,3-Trichlorobenzene	0.5849801	9.1			20	
1,2,4-Trichlorobenzene	0.7131006	9.7			20	
1,3,5-Trichlorobenzene	0.7517141	9.7			20	
1,1,1-Trichloroethane	0.6424633	8.8			20	
1,1,2-Trichloroethane	0.1345994	10.7			20	
Trichloroethylene	0.2828325	11.7			20	
Trichlorofluoromethane (Freon 11)	0.5923919	13.1			20	
1,2,3-Trichloropropane	0.1221242	7.3			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.2623601	13.9			20	
1,2,3-Trimethylbenzene	1.943547	6.7			20	
1,2,4-Trimethylbenzene	1.960837	12.1			20	
1,3,5-Trimethylbenzene	1.707706	7.8			20	
Vinyl Acetate	0.8278985	7.8			20	
Vinyl Chloride	0.3926648	7.3			20	
m+p Xylene	1.67536	10.3			20	
o-Xylene	1.68807	10.2			20	
1,2-Dichloroethane-d4	0.5718784	1.2			20	
Toluene-d8	0.9108494	1.2			20	
4-Bromofluorobenzene	0.8879749	1.5			20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA4	Calibration:	2100436
Lab File ID:	D21V33602.D	Calibration Date:	10/20/21 08:30
Sequence:	S065961	Injection Date:	12/02/21
Lab Sample ID:	S065961-CCV1	Injection Time:	04:19

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	114	8.129092E-02	9.240336E-02		13.7	20
Acrylonitrile	A	10.0	11.5	0.1270659	0.145892		14.8	20
tert-Amyl Methyl Ether (TAME)	A	10.0	9.97	0.8123302	0.8099987		-0.3	20
Benzene	A	10.0	10.7	1.428501	1.529275		7.1	20
Bromobenzene	A	10.0	9.39	0.8393824	0.787829		-6.1	20
Bromochloromethane	A	10.0	10.8	0.1490811	0.1603779		7.6	20
Bromodichloromethane	A	10.0	9.84	0.285839	0.281246		-1.6	20
Bromoform	A	10.0	8.94	0.2767697	0.2474055		-10.6	20
Bromomethane	A	10.0	10.2	0.2287568	0.2344293		2.5	20
2-Butanone (MEK)	A	100	116	0.1493019	0.173387		16.1	20
tert-Butyl Alcohol (TBA)	A	100	97.8	4.610516E-02	4.506594E-02		-2.3	20
n-Butylbenzene	A	10.0	9.61	2.078515	1.996696		-3.9	20
sec-Butylbenzene	A	10.0	9.96	0.4297714	0.4281462		-0.4	20
tert-Butylbenzene	A	10.0	9.03	1.57183	1.419687		-9.7	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.2	1.165984	1.191225		2.2	20
Carbon Disulfide	A	100	101	0.8582592	0.8668395		1.0	20
Carbon Tetrachloride	A	10.0	9.77	0.5574134	0.5443953		-2.3	20
Chlorobenzene	A	10.0	9.81	1.077909	1.057633		-1.9	20
Chlorodibromomethane	A	10.0	10.0	0.1881067	0.1891373		0.5	20
Chloroethane	A	10.0	11.1	0.2168835	0.2414119		11.3	20
Chloroform	A	10.0	10.0	0.7124083	0.7149141		0.4	20
Chloromethane	A	10.0	11.2	0.4799815	0.5384285		12.2	20
2-Chlorotoluene	A	10.0	9.53	1.483764	1.414588		-4.7	20
4-Chlorotoluene	A	10.0	9.65	1.745769	1.685487		-3.5	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	8.54	0.1110976	9.486037E-02		-14.6	20
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.1487521	0.1557236		4.7	20
Dibromomethane	A	10.0	10.1	0.1107365	0.1117576		0.9	20
1,2-Dichlorobenzene	A	10.0	9.33	0.912138	0.8507526		-6.7	20
1,3-Dichlorobenzene	A	10.0	9.50	0.9658292	0.9178		-5.0	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA4	Calibration:	2100436
Lab File ID:	D21V33602.D	Calibration Date:	10/20/21 08:30
Sequence:	S065961	Injection Date:	12/02/21
Lab Sample ID:	S065961-CCV1	Injection Time:	04:19

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	9.14	1.009649	0.9224854		-8.6	20
trans-1,4-Dichloro-2-butene	A	10.0	9.79	0.1849479	0.181075		-2.1	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.18	0.451041	0.4138941		-8.2	20
1,1-Dichloroethane	A	10.0	11.0	0.7357929	0.8133449		10.5	20
1,2-Dichloroethane	A	10.0	10.0	0.4302499	0.431417		0.3	20
1,1-Dichloroethylene	A	10.0	10.9	0.5635604	0.6150749		9.1	20
cis-1,2-Dichloroethylene	A	10.0	10.5	0.722497	0.7589694		5.0	20
trans-1,2-Dichloroethylene	A	10.0	10.9	0.6574602	0.7184396		9.3	20
1,2-Dichloropropane	A	10.0	11.2	0.2088891	0.233134		11.6	20
1,3-Dichloropropane	A	10.0	10.6	0.2715534	0.2868354		5.6	20
2,2-Dichloropropane	A	10.0	9.83	0.6713788	0.6600521		-1.7	20
1,1-Dichloropropene	A	10.0	10.4	0.1735977	0.1808306		4.2	20
cis-1,3-Dichloropropene	A	10.0	10.5	0.3288965	0.3439703		4.6	20
trans-1,3-Dichloropropene	A	10.0	10.8	0.2717444	0.2925354		7.7	20
Diethyl Ether	A	10.0	10.3	0.1357813	0.1398227		3.0	20
Diisopropyl Ether (DIPE)	A	10.0	11.7	1.237221	1.449035		17.1	20
1,4-Dioxane	A	100	96.6	1.689695E-03	1.623388E-03		-3.4	20
Ethylbenzene	A	10.0	9.50	2.071402	1.968713		-5.0	20
Hexachlorobutadiene	A	10.0	9.30	0.4422454	0.4111565		-7.0	20
2-Hexanone (MBK)	A	100	108	0.1272647	0.1379106		8.4	20
Isopropylbenzene (Cumene)	A	10.0	9.38	0.493607	0.4630273		-6.2	20
p-Isopropyltoluene (p-Cymene)	A	10.0	9.20	2.023151	1.861263		-8.0	20
Methyl Acetate	A	10.0	11.4	0.3234822	0.3414304		14.2	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.98	0.9294699	0.927431		-0.2	20
Methyl Cyclohexane	A	10.0	9.82	0.3193415	0.3136462		-1.8	20
Methylene Chloride	A	10.0	11.7	0.5651008	0.6610252		17.0	20
4-Methyl-2-pentanone (MIBK)	A	100	108	0.1867754	0.2019014		8.1	20
Naphthalene	A	10.0	8.54	1.271303	1.085319		-14.6	20
n-Propylbenzene	A	10.0	9.81	2.462456	2.415607		-1.9	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA4	Calibration:	2100436
Lab File ID:	D21V33602.D	Calibration Date:	10/20/21 08:30
Sequence:	S065961	Injection Date:	12/02/21
Lab Sample ID:	S065961-CCV1	Injection Time:	04:19

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Styrene	A	10.0	9.81	1.23082	1.206899		-1.9	20
1,1,1,2-Tetrachloroethane	A	10.0	9.54	0.3935227	0.3756096		-4.6	20
1,1,2,2-Tetrachloroethane	A	10.0	9.33	0.4832584	0.4509175		-6.7	20
Tetrachloroethylene	A	10.0	9.77	0.1988957	0.194223		-2.3	20
Tetrahydrofuran	A	10.0	10.1	4.121495E-02	4.162244E-02		1.0	20
Toluene	A	10.0	9.82	0.8301866	0.8155451		-1.8	20
1,2,3-Trichlorobenzene	A	10.0	9.09	0.5849801	0.5317934		-9.1	20
1,2,4-Trichlorobenzene	A	10.0	8.33	0.7131006	0.5941127		-16.7	20
1,3,5-Trichlorobenzene	A	10.0	9.05	0.7517141	0.6804284		-9.5	20
1,1,1-Trichloroethane	A	10.0	10.0	0.6424633	0.6458222		0.5	20
1,1,2-Trichloroethane	A	10.0	10.2	0.1345994	0.1377576		2.3	20
Trichloroethylene	A	10.0	9.95	0.2828325	0.2813934		-0.5	20
Trichlorofluoromethane (Freon 11)	A	10.0	10.7	0.5923919	0.6351093		7.2	20
1,2,3-Trichloropropane	A	10.0	10.4	0.1221242	0.1266252		3.7	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.1	0.2623601	0.2643059		0.7	20
1,2,4-Trimethylbenzene	A	10.0	8.97	1.960837	1.75894		-10.3	20
1,3,5-Trimethylbenzene	A	10.0	9.37	1.707706	1.59947		-6.3	20
Vinyl Chloride	A	10.0	10.2	0.3926648	0.3993484		1.7	20
m+p Xylene	A	20.0	19.2	1.67536	1.603997		-4.3	20
o-Xylene	A	10.0	9.50	1.68807	1.60352		-5.0	20
1,2-Dichloroethane-d4	A	25.0	25.6	0.5718784	0.5859136		2.5	
Toluene-d8	A	25.0	25.2	0.9108494	0.9170256		0.7	
4-Bromofluorobenzene	A	25.0	25.4	0.8879749	0.9025124		1.6	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Pa	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Instrument:	GCMSSV4

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
21L0072-01	42.6	44.3	40.0	40.0	40.2	48.8
21L0072-02	20.4*	50.3	15.9*	47.3	18.8*	55.9
21L0072-03	56.3	57.6	53.5	52.8	54.0	65.4
21L0072-04	56.4	52.2	49.2	49.5	50.5	63.4
21L0072-05	56.2	53.8	45.9	45.9	50.0	64.6
21L0072-06	45.5	52.7	46.1	45.6	49.6	62.4
B296685-BLK1	83.6	77.9	77.0	72.9	77.7	90.2
B296685-BS1	88.7	79.3	78.8	78.9	79.2	87.2
B296685-BSD1	86.4	75.9	75.8	73.6	75.1	84.0
B296685-MS1	61.4	57.4	56.3	56.6	57.6	68.2
B296685-MSD1	62.3	60.6	58.7	59.7	59.0	69.4

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Pace New England	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B296685	Preparation:	SW-846 3546
% Solids:	88.60	Laboratory ID:	B296685-MS1
Initial/Final:	30.5 g / 1 mL	Sample Lab ID:	21L0072-03
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
4,6-Dinitro-2-methylphenol	1.85	ND	0.879	47.5		30 - 130
2,4-Dinitrophenol	1.85	ND	0.769	41.6		30 - 130
2,4-Dinitrotoluene	1.85	ND	1.05	56.9		40 - 140
2,6-Dinitrotoluene	1.85	ND	1.09	58.7		40 - 140
Di-n-octylphthalate	1.85	ND	1.08	58.1		40 - 140
Fluoranthene	1.85	ND	1.05	56.8		40 - 140
Fluorene	1.85	ND	1.02	55.3		40 - 140
Hexachlorobenzene	1.85	ND	1.03	55.6		40 - 140
Hexachlorobutadiene	1.85	ND	0.884	47.8		40 - 140
Hexachlorocyclopentadiene	1.85	ND	0.503	27.2	*	30 - 130
Hexachloroethane	1.85	ND	0.887	47.9		40 - 140
Indeno(1,2,3-cd)pyrene	1.85	ND	1.05	56.7		40 - 140
Isophorone	1.85	ND	1.05	57.0		40 - 140
2-Methylnaphthalene	1.85	ND	1.10	59.5		40 - 140
2-Methylphenol	1.85	ND	1.02	55.0		30 - 130
3/4-Methylphenol	1.85	ND	1.06	57.1		30 - 130
Naphthalene	1.85	ND	0.964	52.1		40 - 140
2-Nitroaniline	1.85	ND	1.33	72.0		40 - 140
3-Nitroaniline	1.85	ND	1.00	54.2		40 - 140
4-Nitroaniline	1.85	ND	0.981	53.0		40 - 140
Nitrobenzene	1.85	ND	0.975	52.7		40 - 140
2-Nitrophenol	1.85	ND	0.948	51.2		30 - 130
4-Nitrophenol	1.85	ND	1.04	56.0		30 - 130
N-Nitrosodimethylamine	1.85	ND	0.884	47.8		40 - 140
N-Nitrosodi-n-propylamine	1.85	ND	0.995	53.8		40 - 140
Pentachlorophenol	1.85	ND	0.775	41.9		30 - 130
Phenanthrene	1.85	ND	1.04	56.1		40 - 140
Phenol	1.85	ND	0.948	51.3		30 - 130
Pyrene	1.85	ND	1.14	61.9		40 - 140
Pyridine	1.85	ND	0.579	31.3	*	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Pace New England	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B296685	Preparation:	SW-846 3546
% Solids:	88.60	Laboratory ID:	B296685-MSD1
Initial/Final:	30.2 g / 1 mL	Sample Lab ID:	21L0072-03
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	1.87	0.937	50.1		6.40	30	30 - 130
2,4-Dinitrophenol	1.87	0.798	42.7		3.69	30	30 - 130
2,4-Dinitrotoluene	1.87	1.13	60.2		6.66	30	40 - 140
2,6-Dinitrotoluene	1.87	1.17	62.7		7.54	30	40 - 140
Di-n-octylphthalate	1.87	1.28	68.7		17.7	30	40 - 140
Fluoranthene	1.87	1.11	59.5		5.60	30	40 - 140
Fluorene	1.87	1.10	59.0		7.32	30	40 - 140
Hexachlorobenzene	1.87	1.14	60.8		9.92	30	40 - 140
Hexachlorobutadiene	1.87	1.01	54.2		13.7	30	40 - 140
Hexachlorocyclopentadiene	1.87	0.557	29.8	*	10.3	30	30 - 130
Hexachloroethane	1.87	0.982	52.6		10.2	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.87	1.10	58.9		4.66	30	40 - 140
Isophorone	1.87	1.17	62.6		10.4	30	40 - 140
2-Methylnaphthalene	1.87	1.20	64.5		9.02	30	40 - 140
2-Methylphenol	1.87	1.09	58.3		6.81	30	30 - 130
3/4-Methylphenol	1.87	1.11	59.7		5.44	30	30 - 130
Naphthalene	1.87	1.06	56.8		9.51	30	40 - 140
2-Nitroaniline	1.87	1.44	77.0		7.70	30	40 - 140
3-Nitroaniline	1.87	1.13	60.7		12.4	30	40 - 140
4-Nitroaniline	1.87	1.08	57.8		9.65	30	40 - 140
Nitrobenzene	1.87	1.07	57.2		9.14	30	40 - 140
2-Nitrophenol	1.87	1.03	55.2		8.36	30	30 - 130
4-Nitrophenol	1.87	1.05	56.2		1.49	30	30 - 130
N-Nitrosodimethylamine	1.87	0.973	52.1		9.56	30	40 - 140
N-Nitrosodi-n-propylamine	1.87	1.08	57.5		7.74	30	40 - 140
Pentachlorophenol	1.87	0.827	44.2		6.47	30	30 - 130
Phenanthrene	1.87	1.12	59.7		7.27	30	40 - 140
Phenol	1.87	1.01	53.9		5.93	30	30 - 130
Pyrene	1.87	1.19	63.6		3.76	30	40 - 140
Pyridine	1.87	0.647	34.6	*	11.0	30	40 - 140

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV2	Calibration:	2100480
Lab File ID:	B21S310011.D	Calibration Date:	11/06/21 09:26
Sequence:	S065425	Injection Date:	11/06/21
Lab Sample ID:	S065425-ICV1	Injection Time:	14:03

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acenaphthene	A	50.0	44.2	1.283255	1.134275		-11.6	30	
Acenaphthylene	A	50.0	46.8	1.97299	1.848823		-6.3	30	
Acetophenone	A	50.0	46.4	2.036761	1.887905		-7.3	30	
Aniline	A	50.0	39.6	0.6454032	0.5114198		-20.8	30	
Anthracene	A	50.0	45.9	1.233917	1.132027		-8.3	30	
Benzidine	A	50.0	74.9	0.265047	0.3969871		49.8	30	*
Benzo(a)anthracene	A	50.0	43.7	1.398112	1.221902		-12.6	30	
Benzo(a)pyrene	A	50.0	48.2	1.240237	1.19518		-3.6	30	
Benzo(b)fluoranthene	A	50.0	46.7	1.364221	1.27415		-6.6	30	
Benzo(g,h,i)perylene	A	50.0	44.4	1.324962	1.176838		-11.2	30	
Benzo(k)fluoranthene	A	50.0	49.7	1.232134	1.225308		-0.6	30	
Benzoic Acid	A	50.0	53.7	0.2124461	0.2281801		7.4	30	
Bis(2-chloroethoxy)methane	A	50.0	46.2	0.4487871	0.4142146		-7.7	30	
Bis(2-chloroethyl)ether	A	50.0	45.4	1.100408	0.9982073		-9.3	30	
Bis(2-chloroisopropyl)ether	A	50.0	51.2	1.971151	2.016485		2.3	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	45.0	0.9613492	0.8653795		-10.0	30	
4-Bromophenylphenylether	A	50.0	41.9	0.2368895	0.1983377		-16.3	30	
Butylbenzylphthalate	A	50.0	43.7	0.7065745	0.6176457		-12.6	30	
Carbazole	A	50.0	46.2	1.171991	1.082062		-7.7	30	
4-Chloroaniline	A	50.0	36.9	0.3772993	0.2781561		-26.3	30	
4-Chloro-3-methylphenol	A	50.0	45.1	0.3420029	0.30841		-9.8	30	
2-Chloronaphthalene	A	50.0	39.4	1.473622	1.159617		-21.3	30	
2-Chlorophenol	A	50.0	43.4	1.596788	1.384295		-13.3	30	
4-Chlorophenylphenylether	A	50.0	43.9	0.6598723	0.5794076		-12.2	30	
Chrysene	A	50.0	45.3	1.336301	1.209571		-9.5	30	
Dibenz(a,h)anthracene	A	50.0	45.7	1.210857	1.106316		-8.6	30	
Dibenzofuran	A	50.0	49.1	1.669834	1.641092		-1.7	30	
Di-n-butylphthalate	A	50.0	45.2	1.403395	1.269507		-9.5	30	
1,2-Dichlorobenzene	A	50.0	46.0	1.604732	1.477295		-7.9	30	
1,3-Dichlorobenzene	A	50.0	45.9	1.670364	1.534296		-8.1	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2100489
Lab File ID:	D21S348002.D	Calibration Date:	11/15/21 09:24
Sequence:	S066363	Injection Date:	12/14/21
Lab Sample ID:	S066363-CCV1	Injection Time:	08:16

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	50.5	1.668181	1.684542		1.0	20	
3,3-Dichlorobenzidine	A	50.0	58.3	0.4465764	0.5209382		16.7	20	
2,4-Dichlorophenol	A	50.0	48.4	0.3627697	0.3512038		-3.2	20	
Diethylphthalate	A	50.0	50.4	1.471633	1.481844		0.7	20	
2,4-Dimethylphenol	A	50.0	48.1	0.3804426	0.3656851		-3.9	20	
Dimethylphthalate	A	50.0	50.0	1.493172	1.49226		-0.06	20	
4,6-Dinitro-2-methylphenol	L	50.0	47.8	0.1339462	0.1279574		-4.5	20	
2,4-Dinitrophenol	A	50.0	48.4	0.1972109	0.1908499		-3.2	20	
2,4-Dinitrotoluene	A	50.0	54.4	0.426591	0.4640477		8.8	20	
2,6-Dinitrotoluene	A	50.0	53.7	0.3138088	0.3369545		7.4	20	
Di-n-octylphthalate	A	50.0	58.0	1.730941	2.006288		15.9	20	
1,2-Diphenylhydrazine/Azobenzene	A	50.0	51.8	0.7361253	0.762296		3.6	20	
Fluoranthene	A	50.0	53.6	1.237223	1.325516		7.1	20	
Fluorene	A	50.0	53.2	1.393705	1.484381		6.5	20	
Hexachlorobenzene	A	50.0	51.1	0.261478	0.2672459		2.2	20	
Hexachlorobutadiene	A	50.0	49.8	0.211547	0.2106909		-0.4	20	
Hexachlorocyclopentadiene	A	50.0	46.4	0.4425493	0.4103015		-7.3	20	
Hexachloroethane	A	50.0	50.7	0.6054451	0.6143045		1.5	20	
Indeno(1,2,3-cd)pyrene	A	50.0	48.9	1.045058	1.022457		-2.2	20	
Isophorone	A	50.0	52.3	0.6914678	0.7227575		4.5	20	
1-Methylnaphthalene	A	50.0	50.1	0.7294341	0.7314618		0.3	20	
2-Methylnaphthalene	A	50.0	53.9	0.6641416	0.7158764		7.8	20	
2-Methylphenol	A	50.0	52.5	1.293329	1.357087		4.9	20	
3/4-Methylphenol	A	100	102	1.446688	1.482806		2.5	20	
Naphthalene	A	50.0	51.6	1.098356	1.133125		3.2	20	
2-Nitroaniline	A	50.0	57.6	0.3504804	0.4038417		15.2	20	
3-Nitroaniline	A	50.0	62.9	0.3197508	0.4024191		25.9	20	*
4-Nitroaniline	A	50.0	58.2	0.3499665	0.4075239		16.4	20	
Nitrobenzene	A	50.0	52.0	0.3925973	0.4082388		4.0	20	
2-Nitrophenol	A	50.0	51.2	0.2242911	0.2295437		2.3	20	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifl		Project:	Queensbury Landfill - CO 141573	
Matrix:	Soil	Laboratory ID:	B296919-BLK1	File ID:	B21S350015.D
Sampled:		Prepared:	12/15/21 09:37	Analyzed:	12/16/21 15:30
Solids:		Preparation:	SW-846 3546	Dilution:	
Batch:	B296919	Sequence:	S066495	Calibration:	2100480
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
95-94-3	1,2,4,5-Tetrachlorobenzene		0.044	0.34	
120-82-1	1,2,4-Trichlorobenzene		0.043	0.34	
95-95-4	2,4,5-Trichlorophenol		0.053	0.34	
88-06-2	2,4,6-Trichlorophenol		0.052	0.34	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (mg/Kg wet)	Q
002216-30-0	Heptane, 2,5-dimethyl-	0.22	
002240-47-3	Phosphine imide, P,P,P-trip...	0.96	B

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 927

Lab Sample ID: B296797-BS1 Date(s) Analyzed: 12/16/2021 12/16/2021

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.242	7.212	7.272	0.090	
	2	7.238	7.208	7.268	0.11	20.0
4,4'-DDE	1	6.800	6.769	6.829	0.089	
	2	6.808	6.778	6.838	0.10	11.6
4,4'-DDT	1	7.454	7.424	7.484	0.089	
	2	7.476	7.446	7.506	0.10	11.6
Alachlor	1	6.236	6.206	6.266	0.093	
	2	5.994	5.964	6.024	0.079	16.3
Aldrin	1	6.139	6.110	6.170	0.090	
	2	6.053	6.023	6.083	0.093	3.3
alpha-BHC	1	5.434	5.404	5.464	0.089	
	2	5.357	5.328	5.388	0.085	4.6
alpha-Chlordane	1	6.743	6.713	6.773	0.085	
	2	6.678	6.649	6.709	0.088	3.5
beta-BHC	1	5.686	5.656	5.716	0.086	
	2	5.624	5.594	5.654	0.082	4.8
delta-BHC	1	5.801	5.771	5.831	0.084	
	2	5.808	5.778	5.838	0.078	7.4
Dieldrin	1	7.017	6.987	7.047	0.085	
	2	6.915	6.885	6.945	0.096	12.2
Endosulfan I	1	6.841	6.811	6.871	0.093	
	2	6.716	6.687	6.747	0.087	6.7
Endosulfan II	1	7.357	7.327	7.387	0.086	
	2	7.299	7.269	7.329	0.090	4.6
Endosulfan Sulfate	1	8.011	7.981	8.041	0.080	
	2	7.775	7.746	7.806	0.094	16.1
Endrin	1	7.188	7.158	7.218	0.082	
	2	7.138	7.108	7.168	0.091	10.4
Endrin Aldehyde	1	7.678	7.649	7.709	0.072	
	2	7.560	7.529	7.589	0.081	11.8
Endrin Ketone	1	8.204	8.175	8.235	0.090	
	2	8.161	8.131	8.191	0.098	8.5
gamma-BHC (Lindane)	1	5.631	5.601	5.661	0.087	
	2	5.571	5.541	5.601	0.085	2.3
gamma-Chlordane	1	6.647	6.618	6.678	0.079	
	2	6.574	6.544	6.604	0.088	10.8
Heptachlor	1	5.938	5.908	5.968	0.085	
	2	5.844	5.815	5.875	0.086	1.2
Heptachlor Epoxide	1	6.559	6.529	6.589	0.084	
	2	6.442	6.413	6.473	0.085	1.2
Methoxychlor	1	7.836	7.807	7.867	0.078	
	2	8.018	7.989	8.049	0.11	34.0

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup 928

Lab Sample ID: B296797-BSD1 Date(s) Analyzed: 12/16/2021 12/16/2021

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.242	7.212	7.272	0.087	
	2	7.238	7.208	7.268	0.10	13.9
4,4'-DDE	1	6.800	6.769	6.829	0.087	
	2	6.808	6.778	6.838	0.10	13.9
4,4'-DDT	1	7.454	7.424	7.484	0.088	
	2	7.476	7.446	7.506	0.10	12.8
Alachlor	1	6.237	6.206	6.266	0.089	
	2	5.994	5.964	6.024	0.092	3.3
Aldrin	1	6.140	6.110	6.170	0.085	
	2	6.054	6.023	6.083	0.11	25.6
alpha-BHC	1	5.434	5.404	5.464	0.085	
	2	5.358	5.328	5.388	0.10	16.2
alpha-Chlordane	1	6.743	6.713	6.773	0.080	
	2	6.679	6.649	6.709	0.094	16.1
beta-BHC	1	5.687	5.656	5.716	0.082	
	2	5.625	5.594	5.654	0.096	15.7
delta-BHC	1	5.801	5.771	5.831	0.081	
	2	5.807	5.778	5.838	0.091	11.6
Dieldrin	1	7.017	6.987	7.047	0.081	
	2	6.915	6.885	6.945	0.10	21.0
Endosulfan I	1	6.842	6.811	6.871	0.088	
	2	6.717	6.687	6.747	0.093	5.5
Endosulfan II	1	7.357	7.327	7.387	0.083	
	2	7.299	7.269	7.329	0.091	9.2
Endosulfan Sulfate	1	8.012	7.981	8.041	0.079	
	2	7.775	7.746	7.806	0.094	17.3
Endrin	1	7.188	7.158	7.218	0.079	
	2	7.138	7.108	7.168	0.095	18.4
Endrin Aldehyde	1	7.679	7.649	7.709	0.074	
	2	7.559	7.529	7.589	0.082	10.3
Endrin Ketone	1	8.205	8.175	8.235	0.089	
	2	8.162	8.131	8.191	0.096	7.6
gamma-BHC (Lindane)	1	5.632	5.601	5.661	0.084	
	2	5.571	5.541	5.601	0.10	17.4
gamma-Chlordane	1	6.648	6.618	6.678	0.075	
	2	6.574	6.544	6.604	0.096	24.6
Heptachlor	1	5.938	5.908	5.968	0.081	
	2	5.845	5.815	5.875	0.10	21.0
Heptachlor Epoxide	1	6.560	6.529	6.589	0.080	
	2	6.443	6.413	6.473	0.095	17.1
Methoxychlor	1	7.836	7.807	7.867	0.079	
	2	8.019	7.989	8.049	0.11	32.8

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike 929

Lab Sample ID: B296797-MS1 Date(s) Analyzed: 12/16/2021 12/16/2021

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.241	7.212	7.272	0.087	
	2	7.238	7.207	7.267	0.11	23.4
4,4'-DDE	1	6.799	6.770	6.830	0.085	
	2	6.808	6.778	6.838	0.10	16.2
4,4'-DDT	1	7.453	7.424	7.484	0.084	
	2	7.476	7.446	7.506	0.10	17.4
Alachlor	1	6.236	6.207	6.267	0.085	
	2	5.994	5.964	6.024	0.083	2.4
Aldrin	1	6.139	6.110	6.170	0.086	
	2	6.054	6.024	6.084	0.094	8.9
alpha-BHC	1	5.433	5.404	5.464	0.083	
	2	5.358	5.328	5.388	0.089	7.0
beta-BHC	1	5.686	5.657	5.717	0.083	
	2	5.625	5.594	5.654	0.084	1.2
delta-BHC	1	5.801	5.772	5.832	0.083	
	2	5.808	5.778	5.838	0.082	1.2
Dieldrin	1	7.016	6.987	7.047	0.082	
	2	6.915	6.885	6.945	0.098	17.8
Endosulfan I	1	6.840	6.812	6.872	0.084	
	2	6.717	6.687	6.747	0.089	5.8
Endosulfan II	1	7.356	7.327	7.387	0.083	
	2	7.299	7.269	7.329	0.092	10.3
Endosulfan Sulfate	1	8.011	7.982	8.042	0.076	
	2	7.775	7.744	7.804	0.097	24.3
Endrin	1	7.188	7.159	7.219	0.081	
	2	7.138	7.108	7.168	0.093	13.8
Endrin Aldehyde	1	7.677	7.649	7.709	0.071	
	2	7.560	7.529	7.589	0.081	13.2
Endrin Ketone	1	8.204	8.174	8.234	0.084	
	2	8.162	8.131	8.191	0.097	14.4
gamma-BHC (Lindane)	1	5.631	5.602	5.662	0.083	
	2	5.571	5.541	5.601	0.089	7.0
Heptachlor	1	5.938	5.908	5.968	0.083	
	2	5.845	5.815	5.875	0.090	8.1
Heptachlor Epoxide	1	6.559	6.530	6.590	0.081	
	2	6.443	6.413	6.473	0.087	7.1
Methoxychlor	1	7.835	7.806	7.866	0.075	
	2	8.018	7.988	8.048	0.10	28.6

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup 930

Lab Sample ID: B296797-MSD1 Date(s) Analyzed: 12/16/2021 12/16/2021

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.242	7.212	7.272	0.082	
	2	7.238	7.207	7.267	0.10	19.8
4,4'-DDE	1	6.800	6.770	6.830	0.080	
	2	6.808	6.778	6.838	0.092	14.0
4,4'-DDT	1	7.454	7.424	7.484	0.079	
	2	7.476	7.446	7.506	0.093	16.3
Alachlor	1	6.237	6.207	6.267	0.085	
	2	5.994	5.964	6.024	0.075	12.5
Aldrin	1	6.140	6.110	6.170	0.082	
	2	6.053	6.024	6.084	0.083	1.2
alpha-BHC	1	5.434	5.404	5.464	0.079	
	2	5.358	5.328	5.388	0.079	0.0
beta-BHC	1	5.687	5.657	5.717	0.079	
	2	5.624	5.594	5.654	0.075	5.2
delta-BHC	1	5.801	5.772	5.832	0.079	
	2	5.808	5.778	5.838	0.073	7.9
Dieldrin	1	7.017	6.987	7.047	0.079	
	2	6.915	6.885	6.945	0.089	11.9
Endosulfan I	1	6.841	6.812	6.872	0.082	
	2	6.717	6.687	6.747	0.081	1.2
Endosulfan II	1	7.357	7.327	7.387	0.079	
	2	7.299	7.269	7.329	0.085	7.3
Endosulfan Sulfate	1	8.011	7.982	8.042	0.070	
	2	7.775	7.744	7.804	0.090	25.0
Endrin	1	7.188	7.159	7.219	0.077	
	2	7.138	7.108	7.168	0.085	9.9
Endrin Aldehyde	1	7.678	7.649	7.709	0.065	
	2	7.560	7.529	7.589	0.075	14.3
Endrin Ketone	1	8.204	8.174	8.234	0.078	
	2	8.161	8.131	8.191	0.091	15.4
gamma-BHC (Lindane)	1	5.631	5.602	5.662	0.079	
	2	5.571	5.541	5.601	0.080	1.3
Heptachlor	1	5.938	5.908	5.968	0.079	
	2	5.845	5.815	5.875	0.080	1.3
Heptachlor Epoxide	1	6.560	6.530	6.590	0.078	
	2	6.442	6.413	6.473	0.078	0.0
Methoxychlor	1	7.836	7.806	7.866	0.071	
	2	8.019	7.988	8.048	0.096	29.9

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2100518
Lab File ID:	H21E348014.d	Calibration Date:	12/10/21 00:00
Sequence:	S066384	Injection Date:	12/14/21
Lab Sample ID:	S066384-CCV2	Injection Time:	16:13

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	555	1.19112E+07	1.172145E+07		-1.6	15	
2,4-D [2C]	A	564	592	1.063311E+07	1.116188E+07		5.0	15	
2,4-DB	A	568	638	6499870	7296303		12.3	15	
2,4-DB [2C]	A	568	658	5819530	6741373		15.8	15	*
2,4,5-TP (Silvex)	A	57.1	59.3	5.869742E+07	6.097023E+07		3.9	15	
2,4,5-TP (Silvex) [2C]	A	57.1	62.4	5.558658E+07	6.076883E+07		9.3	15	
2,4,5-T	A	56.9	54.7	5.646002E+07	5.430931E+07		-3.8	15	
2,4,5-T [2C]	A	56.9	70.2	4.699464E+07	5.795431E+07		23.3	15	*
Dalapon	A	1370	1640	1.366724E+07	1.638949E+07		19.9	15	*
Dalapon [2C]	A	1370	1700	1.243184E+07	1.543701E+07		24.2	15	*
Dicamba	A	56.4	58.5	4.014536E+07	4.164539E+07		3.7	15	
Dicamba [2C]	A	56.4	62.3	3.600089E+07	3.975177E+07		10.4	15	
Dichloroprop	A	566	598	8481753	8963781		5.7	15	
Dichloroprop [2C]	A	566	610	7871988	8487633		7.8	15	
Dinoseb	A	283	325	3.687322E+07	4.2353E+07		14.9	15	
Dinoseb [2C]	A	283	323	3.349872E+07	3.822827E+07		14.1	15	
MCPA	A	56100	61500	45942.48	50358.29		9.6	15	
MCPA [2C]	A	56100	63000	40916.47	45955.44		12.3	15	
MCPP	A	56300	63800	33241.38	37664.3		13.3	15	
MCPP [2C]	A	56300	65900	29331.7	34339.25		17.1	15	*
2,4-Dichlorophenylacetic acid	A	562	571	9227401	9371352		1.6		
2,4-Dichlorophenylacetic acid [2C]	A	562	605	8199202	8819395		7.6		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 21L0072
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S066946-LCV1
Sequence: S066946
Standard ID: 2110290

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0586	17.1	30.00
Antimony	0.0500	0.0536	7.2	30.00
Arsenic	0.0100	0.0114	13.6	30.00
Barium	0.0500	0.0555	10.9	30.00
Beryllium	0.00400	0.00422	5.6	30.00
Cadmium	0.00400	0.00455	13.8	30.00
Calcium	0.500	0.557	11.4	30.00
Chromium	0.0100	0.0115	15.1	30.00
Cobalt	0.0100	0.0112	12.5	30.00
Copper	0.0100	0.0108	7.8	30.00
Iron	0.0500	0.0569	13.8	30.00
Lead	0.0100	0.0117	17.4	30.00
Magnesium	0.0500	0.0594	18.7	30.00
Manganese	0.0100	0.0107	7.0	30.00
Nickel	0.0100	0.0115	15.2	30.00
Potassium	2.00	2.03	1.3	30.00
Selenium	0.0500	0.0593	18.7	30.00
Silver	0.0100	0.0115	15.2	30.00
Sodium	2.00	2.14	6.8	30.00
Vanadium	0.0100	0.0114	14.5	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 21L0072
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S067904-LCV1
Sequence: S067904
Standard ID: 2110290

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Magnesium	0.0500	0.0513	2.5	30.00
Potassium	2.00	2.05	2.7	30.00
Selenium	0.0500	0.0568	13.5	30.00
Sodium	2.00	2.07	3.4	30.00
Thallium	0.0500	0.0450	-10.1	30.00

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B296032	Preparation:	SW-846 3050B
% Solids:	88.60	Laboratory ID:	B296032-MS1
Column:		Sample Lab ID:	21L0072-03

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Aluminum	18.6	3860	3030 MS-19	-4450		75 - 125
Antimony	18.6	ND	17.4	93.8		75 - 125
Arsenic	18.6	3.37	21.0	94.7		75 - 125
Barium	18.6	27.8	35.7 MS-07	42.5	N	75 - 125
Beryllium	18.6	0.251	17.9	95.2		75 - 125
Cadmium	18.6	ND	18.0	96.8		75 - 125
Calcium	149	54600	65800 MS-19	7510		75 - 125
Chromium	18.6	6.02	22.9	90.8		75 - 125
Cobalt	18.6	5.95	19.2 MS-07	71.4	N	75 - 125
Copper	37.1	5.50	41.1	95.8		75 - 125
Iron	149	10100	7990 MS-19	-1390		75 - 125
Lead	18.6	3.77	18.9	81.3		75 - 125
Magnesium	149	10500	17100 MS-19	4460		75 - 125
Manganese	18.6	278	188 MS-19	-482		75 - 125
Nickel	18.6	6.79	21.8	80.8		75 - 125
Potassium	149	707	720 MS-19	8.81		75 - 125
Selenium	18.6	ND	30.1 MS-14	162	N	75 - 125
Silver	18.6	ND	18.0	96.8		75 - 125
Sodium	149	ND	207 MS-14	139	N	75 - 125
Thallium	18.6	ND	32.2 MS-14	174	N	75 - 125
Vanadium	18.6	11.1	27.9	90.4		75 - 125
Zinc	37.1	21.2	48.7 MS-07	73.9	N	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B296032	Preparation:	SW-846 3050B
% Solids:	88.60	Laboratory ID:	B296032-MS2
Column:		Sample Lab ID:	21L0072-03

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Potassium	149	707	720 MS-19	8.81		75 - 125
Sodium	149	61.4	207	98.1		75 - 125
Thallium	18.6	ND	32.2 MS-14	174	N	75 - 125

DUPLICATES

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0072
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Laboratory ID:	B296032-DUP1
Batch:	B296032	Initial/Final:	1.5091 g / 50 mL
Preparation:	SW-846 3050B	Analysis:	SW-846 6010D
% Solids:	88.60		

ANALYTE	SAMPLE CONCENTRATION (mg/Kg dry)	DUPLICATE CONCENTRATION (mg/Kg dry)	RPD %	Q	CONTROL LIMIT
Aluminum	3860	3290	16.0		35
Antimony	ND	ND			35
Arsenic	3.37	3.71 J	9.63		35
Barium	27.8	27.5	1.37		35
Beryllium	0.251	0.242	3.44		35
Cadmium	ND	ND			35
Calcium	54600	66300	19.3		35
Chromium	6.02	5.67	5.93		35
Cobalt	5.95	5.25	12.6		35
Copper	5.50	5.13	6.93		35
Iron	10100	8260	19.6		35
Lead	3.77	3.58	5.33		35
Magnesium	10500	15700 R-02	39.5	*	35
Manganese	278	248	11.3		35
Nickel	6.79	6.35	6.67		35
Potassium	707	631	11.4		35
Selenium	ND	ND			35
Silver	ND	ND			35
Sodium	ND	ND			35
Thallium	ND	ND			35
Vanadium	11.1	11.1	0.588		35
Zinc	21.2	18.9	11.7		35

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Queensbury, NY
Con-Test Analytical Laboratory SDG#21L0073
June 9, 2022
Sampling date: 11/30/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Environmental Corporation, project located at Queensbury, NY, Con-Test Analytical Laboratory SDG#21L0073 submitted to Vali-Data of WNY, LLC on April 14, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using USEPA method Perfluorinated Hydrocarbons (537 modified).

DUSR ID	Sample ID	Laboratory ID
1	QNSB-SS-101	21L0072-01
2	QNSB-SS-102	21L0072-02
3	QNSB-SS-103	21L0072-03
4	QNSB-SS-104	21L0072-04
5	QNSB-SS-105	21L0072-05
6	DUP-SS	21L0072-06

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Internal Standard and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except M2-8:2FTS was outside QC limits in B296186-BS1 and should be qualified as estimated. 8:2FTS should be qualified as estimated in B296186-BS1. M2-4:2FTS was outside QC limits in DUSR ID#4 and should be qualified as estimated. 4:2FTS should be qualified as estimated in DUSR ID#4.

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met except a target analyte was outside QC limits in DUSR ID#3MS/MSD and should be qualified as estimated.

Target Analyte	%Rec 3MS	%Rec 3MSD	Qualifier	Associated Sample
HFPO-DA	140	131	UJ	3, 6

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SOP-466 PFAS

Qualifications:

PF-19

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects. Original results reported.

Analyte & Samples(s) Qualified:

M2-4:2FTS
21L0073-04[QNSB-SS-104]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-8:2FTS
B296186-BS1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0073-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.083	0.44	0.058	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.44	0.067	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoropentanoic acid (PFPeA)	ND	0.44	0.067	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.44	0.082	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.44	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
9Cl-PF3ONS (F53B Major)	ND	0.44	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.44	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.44	0.21	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.44	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorodecanoic acid (PFDA)	ND	0.44	0.056	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.44	0.067	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.44	0.072	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.44	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
N-EtFOSAA	ND	0.44	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
N-MeFOSAA	ND	0.44	0.080	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.44	0.084	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.44	0.098	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.44	0.081	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.44	0.10	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.44	0.086	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.44	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.44	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.44	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.44	0.070	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.44	0.083	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.44	0.081	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.44	0.10	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.44	0.064	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.44	0.080	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.44	0.068	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluoroheptanoic acid (PFHpA)	ND	0.44	0.063	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorooctanoic acid (PFOA)	ND	0.44	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorooctanesulfonic acid (PFOS)	0.26	0.44	0.059	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH
Perfluorononanoic acid (PFNA)	0.078	0.44	0.072	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/15/21 17:53	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-101 | Sampled: 11/30/2021 11:40

Sample ID: 21L0073-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	12/3/21	12/4/21 17:12	WAT

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0073-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.36	0.51	0.069	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.51	0.079	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoropentanoic acid (PFPeA)	0.088	0.51	0.079	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.51	0.096	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.51	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
9Cl-PF3ONS (F53B Major)	ND	0.51	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.51	0.16	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.51	0.25	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.51	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorodecanoic acid (PFDA)	0.11	0.51	0.066	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.51	0.079	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.51	0.085	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.51	0.15	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
N-EtFOSAA	ND	0.51	0.15	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
N-MeFOSAA	ND	0.51	0.094	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.51	0.098	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.51	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.51	0.095	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.51	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.51	0.10	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.51	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.51	0.16	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.51	0.16	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorohexanesulfonic acid (PFHxS)	0.27	0.51	0.082	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.51	0.097	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.51	0.095	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.51	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.51	0.076	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoroundecanoic acid (PFUnA)	0.14	0.51	0.094	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.51	0.080	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluoroheptanoic acid (PFHpA)	0.11	0.51	0.074	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorooctanoic acid (PFOA)	0.65	0.51	0.15	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorooctanesulfonic acid (PFOS)	0.69	0.51	0.070	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH
Perfluorononanoic acid (PFNA)	0.23	0.51	0.085	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:46	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-102 | Sampled: 11/30/2021 11:55

Sample ID: 21L0073-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.4		% Wt	1		SM 2540G	12/3/21	12/4/21 17:12	WAT

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0073-03

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.069	0.43	0.058	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.43	0.067	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoropentanoic acid (PFPeA)	ND	0.43	0.067	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.43	0.081	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.43	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
9Cl-PF3ONS (F53B Major)	ND	0.43	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.43	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.43	0.21	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.43	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorodecanoic acid (PFDA)	ND	0.43	0.056	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.43	0.067	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.43	0.071	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.43	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
N-EtFOSAA	ND	0.43	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
N-MeFOSAA	ND	0.43	0.079	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.43	0.083	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.43	0.098	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.43	0.080	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.43	0.10	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.43	0.085	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.43	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.43	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.43	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.43	0.070	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.43	0.082	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.43	0.080	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.43	0.10	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.43	0.064	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.43	0.079	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.43	0.068	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluoroheptanoic acid (PFHpA)	ND	0.43	0.063	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorooctanoic acid (PFOA)	ND	0.43	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorooctanesulfonic acid (PFOS)	0.24	0.43	0.059	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH
Perfluorononanoic acid (PFNA)	ND	0.43	0.071	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 16:54	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-103 | Sampled: 11/30/2021 12:05

Sample ID: 21L0073-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	12/3/21	12/4/21 17:12	WAT

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0073-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.13	0.59	0.079	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.59	0.090	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoropentanoic acid (PFPeA)	ND	0.59	0.090	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.59	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.59	0.17	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
9Cl-PF3ONS (F53B Major)	ND	0.59	0.15	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.59	0.19	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.59	0.28	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.59	0.15	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorodecanoic acid (PFDA)	0.094	0.59	0.076	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorododecanoic acid (PFDoA)	0.098	0.59	0.090	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.59	0.097	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.59	0.18	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
N-EtFOSAA	0.21	0.59	0.17	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
N-MeFOSAA	ND	0.59	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.59	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.59	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.59	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.59	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.59	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.59	0.16	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.59	0.18	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.59	0.19	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.59	0.094	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.59	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.59	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.59	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.59	0.086	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoroundecanoic acid (PFUnA)	0.15	0.59	0.11	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.59	0.092	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluoroheptanoic acid (PFHpA)	ND	0.59	0.085	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorooctanoic acid (PFOA)	0.29	0.59	0.17	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorooctanesulfonic acid (PFOS)	5.3	0.59	0.080	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH
Perfluorononanoic acid (PFNA)	ND	0.59	0.097	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:01	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-104 | Sampled: 11/30/2021 12:25

Sample ID: 21L0073-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.3		% Wt	1		SM 2540G	12/3/21	12/4/21 17:12	WAT

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0073-05

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.24	0.53	0.071	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.53	0.082	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoropentanoic acid (PFPeA)	0.10	0.53	0.082	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.53	0.099	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.53	0.15	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
9Cl-PF3ONS (F53B Major)	ND	0.53	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.53	0.17	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.53	0.26	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.53	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorodecanoic acid (PFDA)	ND	0.53	0.069	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.53	0.082	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.53	0.088	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.53	0.16	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
N-EtFOSAA	ND	0.53	0.15	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
N-MeFOSAA	ND	0.53	0.097	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.53	0.10	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.53	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.53	0.098	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.53	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.53	0.10	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.53	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.53	0.16	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.53	0.17	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.53	0.085	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.53	0.10	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.53	0.098	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	0.23	0.53	0.12	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.53	0.078	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.53	0.097	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.53	0.083	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluoroheptanoic acid (PFHpA)	0.098	0.53	0.077	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorooctanoic acid (PFOA)	0.48	0.53	0.15	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorooctanesulfonic acid (PFOS)	0.32	0.53	0.072	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH
Perfluorononanoic acid (PFNA)	0.12	0.53	0.088	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:08	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: QNSB-SS-105 | Sampled: 11/30/2021 12:35

Sample ID: 21L0073-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.5		% Wt	1		SM 2540G	12/3/21	12/4/21 17:12	WAT

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: DUP-SS | Sampled: 11/30/2021 12:15

Sample ID: 21L0073-06

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.070	0.42	0.056	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.42	0.065	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoropentanoic acid (PFPeA)	ND	0.42	0.065	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.42	0.079	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.42	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
9Cl-PF3ONS (F53B Major)	ND	0.42	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.42	0.14	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.42	0.20	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.42	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorodecanoic acid (PFDA)	ND	0.42	0.054	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.42	0.065	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.42	0.070	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.42	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
N-EtFOSAA	ND	0.42	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
N-MeFOSAA	ND	0.42	0.077	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.42	0.081	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.42	0.095	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.42	0.078	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.42	0.099	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.42	0.083	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.42	0.11	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.42	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.42	0.13	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.42	0.068	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.42	0.080	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.42	0.078	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.42	0.097	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.42	0.062	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.42	0.077	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.42	0.066	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluoroheptanoic acid (PFHpA)	ND	0.42	0.061	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorooctanoic acid (PFOA)	ND	0.42	0.12	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorooctanesulfonic acid (PFOS)	0.22	0.42	0.057	µg/kg dry	1	J	SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH
Perfluorononanoic acid (PFNA)	ND	0.42	0.070	µg/kg dry	1		SOP-466 PFAS	12/8/21	12/13/21 17:15	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 21L0073

Date Received: 12/1/2021

Field Sample #: DUP-SS | Sampled: 11/30/2021 12:15

Sample ID: 21L0073-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	12/3/21	12/4/21 17:13	WAT

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-SS-104 (21L0073-04)			Lab File ID: 21L0073-04.d			Analyzed: 12/13/21 17:01			
M8FOSA	307702.4	4.020534	367,618.00	4.036517	84	50 - 150	-0.0160	+/-0.50	
M2-4:2FTS	86334.22	2.570733	196,228.00	2.628217	44	50 - 150	-0.0575	+/-0.50	*
M2PFTA	1083158	4.378417	1,433,024.00	4.39465	76	50 - 150	-0.0162	+/-0.50	
M2-8:2FTS	245907.9	3.850917	262,938.00	3.866833	94	50 - 150	-0.0159	+/-0.50	
MPFBA	452264.6	1.116633	596,491.00	1.12495	76	50 - 150	-0.0083	+/-0.50	
M3HFPO-DA	115018.6	2.904767	170,336.00	2.945967	68	50 - 150	-0.0412	+/-0.50	
M6PFDA	778478.8	3.851417	916,761.00	3.867333	85	50 - 150	-0.0159	+/-0.50	
M3PFBS	109671.9	1.96145	141,605.00	2.011067	77	50 - 150	-0.0496	+/-0.50	
M7PFUnA	990989	4.001983	1,265,367.00	4.017967	78	50 - 150	-0.0160	+/-0.50	
M2-6:2FTS	90679.1	3.493333	116,244.00	3.5176	78	50 - 150	-0.0243	+/-0.50	
M5PFPeA	453918.3	1.7826	593,419.00	1.824517	76	50 - 150	-0.0419	+/-0.50	
M5PFHxA	625038.9	2.655	829,341.00	2.7145	75	50 - 150	-0.0595	+/-0.50	
M3PFHxS	88007.08	3.25875	116,794.00	3.28425	75	50 - 150	-0.0255	+/-0.50	
M4PFHpA	655616.1	3.227617	850,547.00	3.251867	77	50 - 150	-0.0242	+/-0.50	
M8PFOA	671904.6	3.50185	858,262.00	3.526133	78	50 - 150	-0.0243	+/-0.50	
M8PFOS	101916.5	3.692067	130,303.00	3.708283	78	50 - 150	-0.0162	+/-0.50	
M9PFNA	627581.8	3.693117	851,483.00	3.709283	74	50 - 150	-0.0162	+/-0.50	
MPFDoA	1035330	4.136817	1,192,771.00	4.153117	87	50 - 150	-0.0163	+/-0.50	
d5-NEtFOSAA	207106.1	4.00145	223,461.00	4.025434	93	50 - 150	-0.0240	+/-0.50	
d3-NMeFOSAA	184000.8	3.929883	202,759.00	3.945867	91	50 - 150	-0.0160	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B296186-BS1)			Lab File ID: B296186-BS1.d			Analyzed: 12/13/21 15:49			
M8FOSA	357628.6	4.028533	367,618.00	4.036517	97	50 - 150	-0.0080	+/-0.50	
M2-4:2FTS	163971.9	2.62	196,228.00	2.628217	84	50 - 150	-0.0082	+/-0.50	
M2PFTA	1346729	4.386533	1,433,024.00	4.39465	94	50 - 150	-0.0081	+/-0.50	
M2-8:2FTS	424879	3.866833	262,938.00	3.866833	162	50 - 150	0.0000	+/-0.50	*
MPFBA	553377.7	1.12495	596,491.00	1.12495	93	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	137906.4	2.937833	170,336.00	2.945967	81	50 - 150	-0.0081	+/-0.50	
M6PFDA	988456.6	3.859367	916,761.00	3.867333	108	50 - 150	-0.0080	+/-0.50	
M3PFBS	131600.8	2.002783	141,605.00	2.011067	93	50 - 150	-0.0083	+/-0.50	
M7PFUnA	1171342	4.009984	1,265,367.00	4.017967	93	50 - 150	-0.0080	+/-0.50	
M2-6:2FTS	125003.5	3.509617	116,244.00	3.5176	108	50 - 150	-0.0080	+/-0.50	
M5PFPeA	555019.1	1.816233	593,419.00	1.824517	94	50 - 150	-0.0083	+/-0.50	
M5PFHxA	768491.1	2.706317	829,341.00	2.7145	93	50 - 150	-0.0082	+/-0.50	
M3PFHxS	105694	3.28425	116,794.00	3.28425	90	50 - 150	0.0000	+/-0.50	
M4PFHpA	808330.8	3.251867	850,547.00	3.251867	95	50 - 150	0.0000	+/-0.50	
M8PFOA	818265.3	3.51815	858,262.00	3.526133	95	50 - 150	-0.0080	+/-0.50	
M8PFOS	116485.9	3.708283	130,303.00	3.708283	89	50 - 150	0.0000	+/-0.50	
M9PFNA	781223.8	3.709283	851,483.00	3.709283	92	50 - 150	0.0000	+/-0.50	
MPFDoA	1140456	4.153117	1,192,771.00	4.153117	96	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	212686.9	4.01745	223,461.00	4.025434	95	50 - 150	-0.0080	+/-0.50	
d3-NMeFOSAA	220879.5	3.937867	202,759.00	3.945867	109	50 - 150	-0.0080	+/-0.50	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0073
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SOP-466 PFAS
Batch:	B296186	Preparation:	SOP 465-PFAAS
% Solids:	90.34	Laboratory ID:	B296186-MS2
Initial/Final:	5.5405 g / 5 mL	Sample Lab ID:	21L0073-03
Column:			

ANALYTE	SPIKE ADDED (µg/kg dry)	SAMPLE CONCENTRATION (µg/kg dry)	MS CONCENTRATION (µg/kg dry)	MS % REC.	QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	2.50	0.0688	2.61	102	71 - 135
Perfluorobutanesulfonic acid (PFBS)	2.21	ND	2.06	93.1	72 - 128
Perfluoropentanoic acid (PFPeA)	2.50	ND	2.58	103	69 - 132
Perfluorohexanoic acid (PFHxA)	2.50	ND	2.61	104	70 - 132
11Cl-PF3OUdS (F53B Minor)	2.35	ND	2.44	104	50 - 150
9Cl-PF3ONS (F53B Major)	2.33	ND	2.36	101	50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	2.35	ND	2.25	95.5	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.50	ND	3.50	140	50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.40	ND	2.40	100	65 - 137
Perfluorodecanoic acid (PFDA)	2.50	ND	2.61	105	69 - 133
Perfluorododecanoic acid (PFDoA)	2.50	ND	2.28	91.2	69 - 135
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2.22	ND	2.22	99.9	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	ND	2.45	103	70 - 132
N-EtFOSAA	2.50	ND	2.62	105	61 - 139
N-MeFOSAA	2.50	ND	2.28	91.5	63 - 144
Perfluorotetradecanoic acid (PFTA)	2.50	ND	2.50	99.9	69 - 133
Perfluorotridecanoic acid (PFTrDA)	2.50	ND	2.40	96.3	66 - 139
4:2 Fluorotelomersulfonic acid (4:2FTS A)	2.34	ND	2.38	102	62 - 145
Perfluorodecanesulfonic acid (PFDS)	2.41	ND	2.36	98.1	59 - 134
Perfluorooctanesulfonamide (FOSA)	2.50	ND	2.63	105	67 - 137
Perfluorononanesulfonic acid (PFNS)	2.40	ND	2.44	102	69 - 125
Perfluoro-1-hexanesulfonamide (FHxSA)	2.50	ND	2.59	104	50 - 150

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-SS-103

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L0073
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SOP-466 PFAS
Batch:	B296186	Preparation:	SOP 465-PFAAS
% Solids:	90.34	Laboratory ID:	B296186-MSD2
Initial/Final:	5.5901 g / 5 mL	Sample Lab ID:	21L0073-03
Column:			

ANALYTE	SPIKE ADDED (µg/kg dry)	MSD CONCENTRATION (µg/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	2.48	2.75	108	5.22	30	71 - 135
Perfluorobutanesulfonic acid (PFBS)	2.19	2.14	97.9	4.14	30	72 - 128
Perfluoropentanoic acid (PFPeA)	2.48	2.69	109	4.09	30	69 - 132
Perfluorohexanoic acid (PFHxA)	2.48	2.71	110	3.92	30	70 - 132
11Cl-PF3OUdS (F53B Minor)	2.33	2.46	105	0.592	30	50 - 150
9Cl-PF3ONS (F53B Major)	2.31	2.41	104	1.98	30	50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	2.33	2.32	99.7	3.43	30	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.48	3.23	131	7.93	30	50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.38	2.47	104	2.93	30	65 - 137
Perfluorodecanoic acid (PFDA)	2.48	2.81	113	7.11	30	69 - 133
Perfluorododecanoic acid (PFDoA)	2.48	2.51	102	9.77	30	69 - 135
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2.20	2.31	105	4.07	30	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.37	2.58	109	5.32	30	70 - 132
N-EtFOSAA	2.48	2.89	117	10.1	30	61 - 139
N-MeFOSAA	2.48	2.64	107	14.5	30	63 - 144
Perfluorotetradecanoic acid (PFTA)	2.48	2.55	103	2.32	30	69 - 133
Perfluorotridecanoic acid (PFTrDA)	2.48	2.66	107	9.97	30	66 - 139
4:2 Fluorotelomersulfonic acid (4:2FTS A)	2.32	2.55	110	6.87	30	62 - 145
Perfluorodecanesulfonic acid (PFDS)	2.39	2.60	109	9.76	30	59 - 134
Perfluorooctanesulfonamide (FOSA)	2.48	2.60	105	1.29	30	67 - 137
Perfluorononanesulfonic acid (PFNS)	2.38	2.48	104	1.61	30	69 - 125
Perfluoro-1-hexanesulfonamide (FHxSA)	2.48	2.79	113	7.14	30	50 - 150

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Queensbury, NY
Pace/Con-test SDG#22D1346
August 18, 2022
Revised; January 13, 2023
Sampling date: 4/12-15, 18/2022

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Environmental Corporation, project located at Queensbury, NY, Pace/Con-test SDG#22D1346 submitted to Vali-Data of WNY, LLC on August 12, 2022. This DUSR has been prepared in general compliance USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(6/2021) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Perfluorinated Hydrocarbons (SOP-454), Pesticide (8081B), PCB (8082A), Herbicide (8151A) and Inorganics/Mercury (6010D, 7470A).

ID	Sample ID	Laboratory ID
1	QNSB-WL-01	22D1346-01
2	QNSB-WS-01	22D1346-02
3	QNSB-MW-4	22D1346-03
4	QNSB-MW-3	22D1346-04
5	QNSB-MW-5	22D1346-05
6	QNSB-MW-2	22D1346-06
7	Duplicate	22D1346-07
8	QNSB-MW-1	22D1346-08
9	QNSB-MCLN-MW-01	22D1346-09
10	QNSB-MCLN-MW-02	22D1346-10
11	QNSB-MCLN-MW-03	22D1346-11
12	QNSB-MCLN-MW-05	22D1346-12
13	Trip Blank	22D1346-13

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration

-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Methylene Chloride was detected in DUSR ID#3 but was not detected in #7.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits, high in the laboratory control samples and laboratory control samples duplicates and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.

MS/MSD
All criteria were met.
One target analyte was outside QC limits in the matrix spike or the matrix spike duplicate but

not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of several target analytes were outside QC limits in the initial calibration and/or the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV instrument	Target Analyte	Qualifier	Associated Sample
ICal/ICV GCMSVOA5	Bromodichloromethane	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
ICal/ICV GCMSVOA5	Chlorodibromomethane	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
ICal/ICV GCMSVOA5	1,2-Dibromoethane	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
ICal/ICV GCMSVOA5	1,4-Dioxane	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
ICal/ICV GCMSVOA5	1,1,2-Trichloroethene	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
ICal/ICV GCMSVOA5	1,2,3-Trichlorobenzene	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
ICal/ICV GCMSVOA5	1,2,4-Trichlorobenzene	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD

Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S070630-CCV1, S070748-CCV1, S070819-CCV1	Bromodichloromethane	RRF	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
S070630-CCV1, S070748-CCV1, S070819-CCV1	1,2-Dibromoethane	RRF	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
S070630-CCV1, S070748-CCV1, S070819-CCV1	1,4-Dioxane	RRF	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S070630-CCV1, S070748-CCV1, S070819-CCV1	1,1,2-Trichloroethene	RRF	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
S070630-CCV1, S070748-CCV1, S070819-CCV1	1,2,3-Trichlorobenzene	RRF	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
S070630-CCV1, S070748-CCV1, S070819-CCV1	1,2,4-Trichlorobenzene	RRF	UJ/J	B306249, B306351, B306653, 3-13, 9MS/MSD
S070748-CCV1, S070819-CCV1	cis-1,3-Dichloropropene	RRF	UJ/J	B306351, B306653, 6-13, 9MS/MSD
S070748-CCV1	1,2-Dichloropropane	RRF	UJ/J	B306351, 6-8, 10-13
S070630-CCV1	Carbon disulfide	25.7	UJ/J	B306249, 3-5
S070630-CCV1	Chloroethane	36.3	UJ/J	B306249, 3-5
S070630-CCV1	1,1-Dichloroethene	20.1	UJ/J	B306249, 3-5
S070748-CCV1	Carbon disulfide	33.7	UJ/J	B306351, 6-8, 10-13
S070748-CCV1	Chloroethane	36.9	UJ/J	B306351, 6-8, 10-13
S070748-CCV1	1,1-Dichloroethene	20.2	UJ/J	B306351, 6-8, 10-13
S070819-CCV1	Bromoform	30.4	UJ/J	B306653, 9, 9MS/MSD
S070819-CCV1	Chloromethane	-35.4	UJ/J	B306653, 9, 9MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration

- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except the a prep log and some raw data was not included in the original report. Those pages are attached.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the hold time for DUSR ID#8 was outside QC limits. The target analyte in this sample should be qualified as estimated.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, high in B306496-BLK1. The associated target analytes were not detected, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated in the associated samples.

LCS/LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B306237	Caprolactam	29.3	27.8	-	UJ	3-7
B306496	Caprolactam	25.5	27.2	-	UJ	9
B306642	Caprolactam	24.7	23.5	-	UJ	12
B306642	Bis(2-chloroethoxy)methane	-	-	21.4	UJ	12
B306642	2-Chloronaphthalene	-	-	24.4	UJ	12

MS/MSD

All criteria were met except some target analytes were outside QC limits, in the matrix spike and matrix spike duplicates and should be qualified as estimated.

Target Analyte	%Rec 9MS	%Rec 9MSD	RPD	Qualifier	Associated Sample
Caprolactam	27.2	30.5	-	UJ	9
Hexachloroethane	28.6	-	49.0	UJ	9
Hexachlorobutadiene	-	-	35.6	UJ	9

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

Instrument	Target Analyte	%D	Qualifier	Associated Sample
ICV GCMSSV4	Dimethylphthalate	-20.9	UJ/J	B306237, B306496, B306642, 3-7, 9, 12, 9MS/MSD

CONTINUING CALIBRATION

All criteria were met except a target analyte was outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S070776-CCV1	Bis(2-chloroisopropyl)ether	-25.3	UJ/J	B306496
S070847-CCV1	Bis(2-chloroisopropyl)ether	-22.7	UJ/J	B306237, 3
S070858-CCV1	Bis(2-chloroisopropyl)ether	-31.2	UJ/J	4, 5
S070858-CCV1	Bis(2-chloroethyl)ether	-21.9	UJ/J	4, 5
S071097-CCV1	Bis(2-chloroisopropyl)ether	-37.5	UJ/J	B306642
S071097-CCV1	Bis(2-chloroethyl)ether	-39.6	UJ/J	B306642

GC/MS PERFORMANCE CHECK
All criteria were met.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Internal Standard and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the %Rec of M8FOSA and M2-4:2FTS was outside QC limits in DUSR ID #1 and should be qualified as estimated. The %Rec of M8FOSA was outside QC limits in

DUSR ID#10 should be qualified as estimated. The %Rec of M2-PFTA was outside QC limits in DUSR ID#2RE and #3RE and should be qualified as estimated. The %Rec of M2-PFTA and M8FOSA was outside QC limits in DUSR ID#6RE and should be qualified as estimated. The %Rec of M8FOSA and MPFDoA was outside QC limits in DUSR ID#8 and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated. The %Rec of M2PFTA was outside QC limits, <10% in DUSR ID#8 and should be qualified as estimated. Associated target analytes in this sample should be qualified as unusable.

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except FHxSA, FBSA and PFHxS were detected in DUSR ID#7 but were not detected in #3.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met except a target analyte was outside QC limits in DUSR ID#9MS/MSD and should be qualified as estimated.

Target Analyte	%Rec 9MS	%Rec 9MSD	Qualifier	Associated Sample
PFBA	47.6	55.1	J	9

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of alpha-BHC, gamma-BHC, gamma-Chlordane and Heptachlor was outside QC limits between the columns and should be qualified as estimated in B306233-BS1. The RPD of Endrin aldehyde was outside QC limits between the columns and should be qualified as estimated in B306343-BS1. The RPD of alpha-BHC was outside QC limits between the columns and should be qualified as estimated in B306494-BS1. The RPD of gamma-Chlordane was outside QC limits between the columns and should be qualified as estimated in B306640-BS1.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except the incorrect initial calibration off instrument ECD1 was synced with this data in the original package. All associated data are attached.
There was missing initial calibration data off instrument ECD9 in the original package. All associated data are attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1016 in B306342-BS1 and should be qualified as estimated.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the RPD of 2,4-D was outside QC limits between the columns in DUSR ID#9MS/MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD/Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met.
A target analyte was outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE
All criteria were met except Co, Cu and Ni were detected in DUSR ID#7 but were not detected in #3.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of a target analyte was outside QC limits in the calibrations and should be qualified as estimated.

Calibration ID	Target analyte	%D	Qualifier	Associated Sample
S073185-LCV1	Sb	-13.6	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV1	Ba	12.1	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV1	Be	11.0	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV1	Pb	16.1	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV1	Mg	11.5	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV1	Mn	15.7	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV1	Ni	10.3	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV1	Se	13.9	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV1	V	13.3	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD

Calibration ID	Target analyte	%D	Qualifier	Associated Sample
S073185-LCV1	Zn	16.3	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073185-LCV3	Fe	18.9	UJ/J	B306241, 4-7, 9, 12, 9MS/MSD
S073189-LCV1	Sb	-15.0	UJ	3
S073189-LCV1	Al	-19.0	J	3
S073189-LCV1	Fe	-19.1	J	3
S073189-LCV1	Tl	-11.7	UJ	3
S073189-LCV2	Zn	-11.3	J	3

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151 samples were derivatized on 04/22/22

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

For method 8151 samples were derivatized on 04/29/22

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

For PFAS Isotope Dilution samples were received in Trizma preserved containers which is a deviation from standard operating procedure.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SOP-454 PFAS

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Perfluorobutanoic acid (PFBA)
22D1346-09[QNSB-MCLN-MW-01], B306698-MS1, B306698-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Perfluorobutanesulfonic acid (PFB
22D1346-09[QNSB-MCLN-MW-01], B306698-MSD1

Perfluorohexanesulfonic acid (PFH
22D1346-09[QNSB-MCLN-MW-01], B306698-MSD1

Perfluoropentanoic acid (PFPeA)
22D1346-09[QNSB-MCLN-MW-01], B306698-MSD1

PF-18

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

M2PFTA
22D1346-03RE1[QNSB-MW-4], 22D1346-06RE1[QNSB-MW-2]

M8FOSA
22D1346-06RE1[QNSB-MW-2]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-4:2FTS
22D1346-01[QNSB-WL-01]

M2PFTA
22D1346-02RE1[QNSB-WS-01], 22D1346-08[QNSB-MW-1]

M8FOSA
22D1346-01[QNSB-WL-01], 22D1346-08[QNSB-MW-1], 22D1346-10[QNSB-MCLN-MW-02]

MPFDoA
22D1346-08[QNSB-MW-1]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Minor)
S071305-CCV3

SW-846 6010D

Qualifications:

MS-11

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Aluminum
B306241-MS2

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Calcium
B306241-MS2, B306241-MSD2

SW-846 8260D

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Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromoform
B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1

Carbon Disulfide
B306351-BS1, B306351-BSD1

Chloroethane
B306351-BS1, B306351-BSD1

Methyl Acetate
B306249-BS1, B306249-BSD1, B306351-BS1, B306351-BSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromoform
B306653-MS1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Chloromethane
22D1346-09[QNSB-MCLN-MW-01], B306653-BLK1, B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1, S070819-CCV1

Cyclohexane
22D1346-09[QNSB-MCLN-MW-01], B306653-BLK1, B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1, S070819-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromoform
B306351-BS1, B306351-BSD1, B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1, S070748-CCV1, S070819-CCV1

Carbon Disulfide
B306249-BS1, B306249-BSD1, B306351-BS1, B306351-BSD1, B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1, S070630-CCV1, S070748-CCV1, S070819-CCV1

Chloroethane
B306249-BS1, B306249-BSD1, B306351-BS1, B306351-BSD1, S070630-CCV1, S070748-CCV1

Methyl Acetate
B306249-BS1, B306249-BSD1, B306351-BS1, B306351-BSD1, S070630-CCV1, S070748-CCV1

Trichlorofluoromethane (Freon 11)
B306351-BS1, B306351-BSD1, S070748-CCV1

SW-846 8270E

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

22D1346-08[QNSB-MW-1]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Caprolactam
22D1346-03[QNSB-MW-4], 22D1346-04[QNSB-MW-3], 22D1346-05[QNSB-MW-5], 22D1346-06[QNSB-MW-2], 22D1346-07[Duplicate], 22D1346-09[QNSB-MCLN-MW-01], 22D1346-12[QNSB-MCLN-MW-05], B306237-BS1, B306237-BSD1, B306496-BLK1, B306496-BS1, B306496-BSD1, B306496-MS1, B306496-MSD1, B306642-BLK1, B306642-BS1, B306642-BSD1

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L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bis(2-chloroethyl)ether
B306642-BSD1

Hexachloroethane
B306642-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Caprolactam
22D1346-09[QNSB-MCLN-MW-01], B306496-MS1, B306496-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Phenol
B306496-MS1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Hexachloroethane
B306496-MS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2-Chloronaphthalene
22D1346-12[QNSB-MCLN-MW-05], B306642-BLK1, B306642-BS1, B306642-BSD1

Bis(2-chloroethoxy)methane
22D1346-12[QNSB-MCLN-MW-05], B306642-BLK1, B306642-BS1, B306642-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
22D1346-09[QNSB-MCLN-MW-01], B306496-MS1, B306496-MSD1

Hexachloroethane
22D1346-09[QNSB-MCLN-MW-01], B306496-MSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B306496-BLK1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroethyl)ether
22D1346-04[QNSB-MW-3], 22D1346-05[QNSB-MW-5], B306237-BLK1, B306642-BLK1, B306642-BS1, B306642-BSD1, S070858-CCV1, S071097-CCV1

Bis(2-chloroisopropyl)ether
22D1346-03[QNSB-MW-4], 22D1346-04[QNSB-MW-3], 22D1346-05[QNSB-MW-5], B306237-BLK1, B306237-BS1, B306237-BSD1, B306496-BLK1, B306496-BS1, B306496-BSD1, B306642-BLK1, B306642-BS1, B306642-BSD1, S070776-CCV1, S070847-CCV1, S070858-CCV1, S071097-CCV1

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V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

22D1346-03[QNSB-MW-4], 22D1346-04[QNSB-MW-3], 22D1346-05[QNSB-MW-5], 22D1346-06[QNSB-MW-2], 22D1346-07[Duplicate], 22D1346-09[QNSB-MCLN-MW-01], 22D1346-12[QNSB-MCLN-MW-05], B306237-BLK1, B306237-BS1, B306237-BSD1, B306496-BLK1, B306496-BS1, B306496-BSD1, B306496-MS1, B306496-MSD1, B306642-BLK1, B306642-BS1, B306642-BSD1, S070338-ICV1, S070776-CCV1, S070847-CCV1, S070858-CCV1, S071097-CCV1, S071141-CCV1

SW-846 9014

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Cyanide

22D1346-09[QNSB-MCLN-MW-01], B306511-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Cyanide

22D1346-09[QNSB-MCLN-MW-01], B306511-MSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-WL-01 | Sampled: 4/12/2022 10:45

Sample ID: 22D1346-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	22	1.8	0.67	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorobutanesulfonic acid (PFBS)	0.81	1.8	0.25	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoropentanoic acid (PFPeA)	5.2	1.8	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorohexanoic acid (PFHxA)	3.1	1.8	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.44	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.40	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.85	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
N-EtFOSAA	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
N-MeFOSAA	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	0.17	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	0.90	1.8	0.33	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	0.23	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluoroheptanoic acid (PFHpA)	2.6	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorooctanoic acid (PFOA)	4.2	1.8	0.61	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.54	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:15	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-WS-01 | Sampled: 4/12/2022 11:15

Sample ID: 22D1346-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.9	2.0	0.73	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorobutanesulfonic acid (PFBS)	0.57	2.0	0.28	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoropentanoic acid (PFPeA)	0.60	2.0	0.38	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.38	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0	0.63	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0	0.38	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.34	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	0.23	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	0.59	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0	0.48	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.43	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.23	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.92	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
N-EtFOSAA	ND	2.0	0.62	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
N-MeFOSAA	ND	2.0	0.74	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorotetradecanoic acid (PFTA)	ND	2.0	0.36	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	0.27	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	0.28	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	0.32	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorooctanesulfonamide (FOSA)	ND	2.0	0.41	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorononanesulfonic acid (PFNS)	ND	2.0	0.16	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.0	0.30	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	2.0	0.19	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.33	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.41	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.33	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	0.36	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0	0.25	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.36	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.27	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluoroheptanoic acid (PFHpA)	0.37	2.0	0.34	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorooctanoic acid (PFOA)	ND	2.0	0.67	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.59	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH
Perfluorononanoic acid (PFNA)	ND	2.0	0.34	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:18	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Methylene Chloride	0.25	5.0	0.23	µg/L	1	J	SW-846 8260D	4/20/22	4/21/22 1:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	107	70-130		4/21/22	1:05
Toluene-d8	98.6	70-130		4/21/22	1:05
4-Bromofluorobenzene	99.1	70-130		4/21/22	1:05

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Benzaldehyde	ND	9.9	0.44	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Biphenyl	ND	20	0.41	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Caprolactam	ND	9.9	0.28	µg/L	1	L-04	SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Acenaphthene	ND	5.0	0.51	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Acetophenone	ND	9.9	0.53	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Benzo(a)pyrene	ND	5.0	0.56	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Benzo(k)fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1	V-05	SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Butylbenzylphthalate	ND	9.9	0.67	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
4-Chloroaniline	ND	9.9	0.57	µg/L	1	V-34	SW-846 8270E	4/20/22	4/25/22 16:01	BGL
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Dibenz(a,h)anthracene	ND	5.0	0.68	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Dibenzofuran	ND	5.0	0.48	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Di-n-butylphthalate	ND	9.9	0.46	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
4,6-Dinitro-2-methylphenol	ND	9.9	7.0	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2,4-Dinitrophenol	ND	9.9	8.0	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2,4-Dinitrotoluene	ND	9.9	0.61	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Fluorene	ND	5.0	0.51	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Hexachlorobutadiene	ND	9.9	0.77	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.9	0.73	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.73	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Isophorone	ND	9.9	0.55	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2-Nitroaniline	ND	9.9	0.69	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
N-Nitrosodi-n-propylamine	ND	9.9	0.61	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Phenanthrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Phenol	ND	9.9	0.23	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL
2,4,6-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	4/20/22	4/25/22 16:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.9	15-110		4/25/22 16:01
Phenol-d6	27.4	15-110		4/25/22 16:01
Nitrobenzene-d5	62.8	30-130		4/25/22 16:01
2-Fluorobiphenyl	73.0	30-130		4/25/22 16:01
2,4,6-Tribromophenol	86.7	15-110		4/25/22 16:01
p-Terphenyl-d14	75.7	30-130		4/25/22 16:01

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	4/20/22	4/25/22 21:18	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	22.2	15-110		4/25/22 21:18	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	11	1.9	0.71	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorobutanesulfonic acid (PFBS)	0.93	1.9	0.27	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoropentanoic acid (PFPeA)	1.9	1.9	0.37	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorohexanoic acid (PFHxA)	1.5	1.9	0.37	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.47	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
N-EtFOSAA	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
N-MeFOSAA	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.29	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	0.57	1.9	0.35	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.24	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluoroheptanoic acid (PFHpA)	0.75	1.9	0.33	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorooctanoic acid (PFOA)	2.9	1.9	0.65	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorooctanesulfonic acid (PFOS)	2.9	1.9	0.57	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:25	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.053	0.019	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
gamma-Chlordane [1]	ND	0.053	0.020	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Aldrin [1]	ND	0.053	0.0037	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
alpha-BHC [1]	ND	0.053	0.028	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
beta-BHC [1]	ND	0.053	0.023	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
delta-BHC [1]	ND	0.053	0.031	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
gamma-BHC (Lindane) [1]	ND	0.032	0.0046	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
4,4'-DDD [1]	ND	0.043	0.0048	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
4,4'-DDE [1]	ND	0.043	0.0046	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
4,4'-DDT [1]	ND	0.043	0.0042	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Dieldrin [1]	ND	0.0021	0.00083	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Endosulfan I [1]	ND	0.053	0.026	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Endosulfan II [1]	ND	0.086	0.016	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Endosulfan sulfate [1]	ND	0.086	0.016	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Endrin [1]	ND	0.086	0.017	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Endrin aldehyde [1]	ND	0.086	0.018	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Endrin ketone [1]	ND	0.086	0.016	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Heptachlor [1]	ND	0.053	0.0048	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Heptachlor epoxide [1]	ND	0.053	0.0035	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Methoxychlor [1]	ND	0.53	0.056	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG
Toxaphene [1]	ND	1.1	0.34	µg/L	1		SW-846 8081B	4/20/22	5/3/22 16:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.5	30-150		5/3/22 16:39
Decachlorobiphenyl [2]	62.6	30-150		5/3/22 16:39
Tetrachloro-m-xylene [1]	68.3	30-150		5/3/22 16:39
Tetrachloro-m-xylene [2]	64.9	30-150		5/3/22 16:39

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.056	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM
Aroclor-1221 [1]	ND	0.21	0.084	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM
Aroclor-1232 [1]	ND	0.21	0.078	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM
Aroclor-1242 [1]	ND	0.21	0.082	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM
Aroclor-1248 [1]	ND	0.21	0.095	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM
Aroclor-1254 [1]	ND	0.21	0.083	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM
Aroclor-1260 [1]	ND	0.21	0.066	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM
Aroclor-1262 [1]	ND	0.21	0.068	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM
Aroclor-1268 [1]	ND	0.21	0.083	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:36	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.3	30-150		5/3/22 13:36
Decachlorobiphenyl [2]	80.5	30-150		5/3/22 13:36
Tetrachloro-m-xylene [1]	78.6	30-150		5/3/22 13:36
Tetrachloro-m-xylene [2]	64.2	30-150		5/3/22 13:36

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.51	0.11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
2,4-DB [1]	ND	0.51	0.17	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
2,4,5-TP (Silvex) [1]	ND	0.051	0.010	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
2,4,5-T [1]	ND	0.10	0.025	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
Dalalpon [1]	ND	1.3	0.17	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
Dicamba [1]	ND	0.051	0.015	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
Dichloroprop [1]	ND	0.51	0.19	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
Dinoseb [1]	ND	0.25	0.047	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
MCPA [1]	ND	51	9.5	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG
MCPP [1]	ND	51	9.9	µg/L	1		SW-846 8151A	4/20/22	4/24/22 1:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	77.4	30-150		4/24/22 1:43
2,4-Dichlorophenylacetic acid [2]	88.3	30-150		4/24/22 1:43

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.14	0.050	0.015	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Barium	0.015	0.050	0.0056	mg/L	1	J	SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Calcium	59	0.50	0.11	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Iron	0.36	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Magnesium	10	0.050	0.0095	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Manganese	0.023	0.010	0.0017	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/1/22	5/2/22 15:45	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Potassium	1.7	2.0	0.30	mg/L	1	J	SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Sodium	0.70	2.0	0.53	mg/L	1	J	SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Vanadium	0.0031	0.010	0.0031	mg/L	1	J	SW-846 6010D	4/20/22	5/17/22 15:19	QNW
Zinc	0.0048	0.010	0.0042	mg/L	1	J	SW-846 6010D	4/20/22	5/17/22 15:19	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-4 | Sampled: 4/13/2022 11:15

Sample ID: 22D1346-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0036	0.010	0.0035	mg/L	1	J	SW-846 9014	4/22/22	4/23/22 9:02	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,1-Dichloroethane	0.34	1.0	0.14	µg/L	1	J	SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
cis-1,2-Dichloroethylene	0.79	1.0	0.15	µg/L	1	J	SW-846 8260D	4/20/22	4/21/22 1:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Methyl tert-Butyl Ether (MTBE)	0.60	1.0	0.17	µg/L	1	J	SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/20/22	4/21/22 1:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		4/21/22 1:33
Toluene-d8	98.3	70-130		4/21/22 1:33
4-Bromofluorobenzene	101	70-130		4/21/22 1:33

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	0.57	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Benzaldehyde	ND	10	0.47	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Biphenyl	ND	21	0.43	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Caprolactam	ND	10	0.29	µg/L	1	L-04	SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Acenaphthene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Acenaphthylene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Acetophenone	ND	10	0.55	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Anthracene	ND	5.2	0.48	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Benzo(a)anthracene	ND	5.2	0.42	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Benzo(a)pyrene	ND	5.2	0.59	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Benzo(b)fluoranthene	ND	5.2	0.49	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Benzo(g,h,i)perylene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Benzo(k)fluoranthene	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Bis(2-chloroethoxy)methane	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Bis(2-chloroethyl)ether	ND	10	0.59	µg/L	1	V-05	SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.72	µg/L	1	V-05	SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.88	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
4-Bromophenylphenylether	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Butylbenzylphthalate	ND	10	0.70	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Carbazole	ND	10	0.44	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
4-Chloroaniline	ND	10	0.60	µg/L	1	V-34	SW-846 8270E	4/20/22	4/26/22 21:21	BGL
4-Chloro-3-methylphenol	ND	10	0.58	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2-Chloronaphthalene	ND	10	0.51	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2-Chlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
4-Chlorophenylphenylether	ND	10	0.50	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Chrysene	ND	5.2	0.41	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Dibenz(a,h)anthracene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Dibenzofuran	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Di-n-butylphthalate	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
3,3-Dichlorobenzidine	ND	10	0.74	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Diethylphthalate	ND	10	0.44	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2,4-Dimethylphenol	ND	10	0.73	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.3	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2,4-Dinitrophenol	ND	10	8.4	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2,4-Dinitrotoluene	ND	10	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2,6-Dinitrotoluene	ND	10	0.54	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Di-n-octylphthalate	ND	10	4.1	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Fluoranthene	ND	5.2	0.45	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Fluorene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Hexachlorobenzene	ND	10	0.53	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Hexachlorobutadiene	ND	10	0.81	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Hexachlorocyclopentadiene	ND	10	3.8	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.77	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Indeno(1,2,3-cd)pyrene	ND	5.2	0.77	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Isophorone	ND	10	0.57	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2-Methylnaphthalene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
3/4-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Naphthalene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2-Nitroaniline	ND	10	0.72	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
3-Nitroaniline	ND	10	0.61	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
4-Nitroaniline	ND	10	0.62	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Nitrobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2-Nitrophenol	ND	10	0.53	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
4-Nitrophenol	ND	10	2.2	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.40	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
N-Nitrosodi-n-propylamine	ND	10	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Pentachlorophenol	ND	10	3.7	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Phenanthrene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Phenol	ND	10	0.24	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
Pyrene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.68	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2,4,5-Trichlorophenol	ND	10	0.54	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL
2,4,6-Trichlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:21	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.1	15-110		4/26/22 21:21
Phenol-d6	28.6	15-110		4/26/22 21:21
Nitrobenzene-d5	58.9	30-130		4/26/22 21:21
2-Fluorobiphenyl	69.4	30-130		4/26/22 21:21
2,4,6-Tribromophenol	83.4	15-110		4/26/22 21:21
p-Terphenyl-d14	73.9	30-130		4/26/22 21:21

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	5.0	0.20	0.033	µg/L	1		SW-846 8270E	4/20/22	4/25/22 21:38	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	24.1	15-110		4/25/22 21:38

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.2	1.9	0.71	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorobutanesulfonic acid (PFBS)	1.0	1.9	0.27	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoropentanoic acid (PFPeA)	5.5	1.9	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorohexanoic acid (PFHxA)	7.2	1.9	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.47	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
N-EtFOSAA	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
N-MeFOSAA	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.29	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.19	1.9	0.18	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorohexanesulfonic acid (PFHxS)	1.6	1.9	0.32	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.4	1.9	0.35	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoropetanesulfonic acid (PFPeS)	0.50	1.9	0.24	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluoroheptanoic acid (PFHpA)	4.3	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorooctanoic acid (PFOA)	12	1.9	0.65	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:36	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.056	0.020	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
gamma-Chlordane [1]	ND	0.056	0.021	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Aldrin [1]	ND	0.056	0.0039	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
alpha-BHC [1]	ND	0.056	0.029	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
beta-BHC [1]	ND	0.056	0.024	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
delta-BHC [1]	ND	0.056	0.033	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
gamma-BHC (Lindane) [1]	ND	0.034	0.0048	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
4,4'-DDD [1]	ND	0.045	0.0050	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
4,4'-DDE [1]	ND	0.045	0.0048	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
4,4'-DDT [1]	ND	0.045	0.0044	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Dieldrin [1]	ND	0.0022	0.00087	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Endosulfan I [1]	ND	0.056	0.028	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Endosulfan II [1]	ND	0.090	0.017	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Endosulfan sulfate [1]	ND	0.090	0.017	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Endrin [1]	ND	0.090	0.018	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Endrin aldehyde [1]	ND	0.090	0.019	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Endrin ketone [1]	ND	0.090	0.016	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Heptachlor [1]	ND	0.056	0.0050	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Heptachlor epoxide [1]	ND	0.056	0.0037	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Methoxychlor [1]	ND	0.56	0.059	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG
Toxaphene [1]	ND	1.1	0.35	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.4	30-150		5/3/22 17:06
Decachlorobiphenyl [2]	59.1	30-150		5/3/22 17:06
Tetrachloro-m-xylene [1]	64.1	30-150		5/3/22 17:06
Tetrachloro-m-xylene [2]	63.4	30-150		5/3/22 17:06

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	0.059	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM
Aroclor-1221 [1]	ND	0.22	0.089	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM
Aroclor-1232 [1]	ND	0.22	0.081	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM
Aroclor-1242 [1]	ND	0.22	0.086	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM
Aroclor-1248 [1]	ND	0.22	0.099	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM
Aroclor-1254 [1]	ND	0.22	0.088	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM
Aroclor-1260 [1]	ND	0.22	0.070	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM
Aroclor-1262 [1]	ND	0.22	0.071	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM
Aroclor-1268 [1]	ND	0.22	0.087	µg/L	1		SW-846 8082A	4/20/22	5/3/22 13:49	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.5	30-150		5/3/22 13:49
Decachlorobiphenyl [2]	80.7	30-150		5/3/22 13:49
Tetrachloro-m-xylene [1]	78.8	30-150		5/3/22 13:49
Tetrachloro-m-xylene [2]	65.0	30-150		5/3/22 13:49

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.60	0.12	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
2,4-DB [1]	ND	0.60	0.20	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
2,4,5-TP (Silvex) [1]	ND	0.060	0.012	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
2,4,5-T [1]	ND	0.12	0.029	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
Dalalpon [1]	ND	1.5	0.20	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
Dicamba [1]	ND	0.060	0.018	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
Dichloroprop [1]	ND	0.60	0.22	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
Dinoseb [1]	ND	0.30	0.055	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
MCPA [1]	ND	60	11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG
MCPP [1]	ND	60	12	µg/L	1		SW-846 8151A	4/20/22	4/24/22 2:23	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,4-Dichlorophenylacetic acid [1]	78.3	30-150		4/24/22 2:23	
2,4-Dichlorophenylacetic acid [2]	83.2	30-150		4/24/22 2:23	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.083	0.050	0.015	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Barium	0.20	0.050	0.0056	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Cadmium	0.00084	0.0040	0.00080	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Calcium	180	0.50	0.11	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Chromium	0.0037	0.010	0.0025	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Cobalt	0.015	0.010	0.0014	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:25	QNW
Iron	1.9	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Magnesium	61	0.050	0.0095	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Manganese	1.7	0.010	0.0017	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/1/22	5/2/22 15:47	TDK
Nickel	0.027	0.010	0.0088	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Potassium	13	2.0	0.30	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/20/22	5/17/22 15:25	QNW
Sodium	50	2.0	0.53	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH
Zinc	0.032	0.010	0.0042	mg/L	1		SW-846 6010D	4/20/22	5/13/22 1:59	MJH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-3 | Sampled: 4/13/2022 12:40

Sample ID: 22D1346-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SW-846 9014	4/22/22	4/23/22 9:02	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/20/22	4/21/22 2:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		4/21/22 2:01
Toluene-d8	97.8	70-130		4/21/22 2:01
4-Bromofluorobenzene	98.1	70-130		4/21/22 2:01

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	0.57	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Benzaldehyde	ND	10	0.47	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Biphenyl	ND	21	0.43	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Caprolactam	ND	10	0.29	µg/L	1	L-04	SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Acenaphthene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Acenaphthylene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Acetophenone	ND	10	0.55	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Anthracene	ND	5.2	0.48	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Benzo(a)anthracene	ND	5.2	0.42	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Benzo(a)pyrene	ND	5.2	0.59	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Benzo(b)fluoranthene	ND	5.2	0.49	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Benzo(g,h,i)perylene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Benzo(k)fluoranthene	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Bis(2-chloroethoxy)methane	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Bis(2-chloroethyl)ether	ND	10	0.59	µg/L	1	V-05	SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.72	µg/L	1	V-05	SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.88	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
4-Bromophenylphenylether	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Butylbenzylphthalate	ND	10	0.70	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Carbazole	ND	10	0.44	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
4-Chloroaniline	ND	10	0.60	µg/L	1	V-34	SW-846 8270E	4/20/22	4/26/22 21:48	BGL
4-Chloro-3-methylphenol	ND	10	0.58	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2-Chloronaphthalene	ND	10	0.51	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2-Chlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
4-Chlorophenylphenylether	ND	10	0.50	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Chrysene	ND	5.2	0.41	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Dibenz(a,h)anthracene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Dibenzofuran	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Di-n-butylphthalate	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
3,3-Dichlorobenzidine	ND	10	0.74	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Diethylphthalate	ND	10	0.44	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2,4-Dimethylphenol	ND	10	0.73	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.3	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2,4-Dinitrophenol	ND	10	8.4	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2,4-Dinitrotoluene	ND	10	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2,6-Dinitrotoluene	ND	10	0.54	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Di-n-octylphthalate	ND	10	4.1	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Fluoranthene	ND	5.2	0.45	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Fluorene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Hexachlorobenzene	ND	10	0.53	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Hexachlorobutadiene	ND	10	0.81	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Hexachlorocyclopentadiene	ND	10	3.8	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.77	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Indeno(1,2,3-cd)pyrene	ND	5.2	0.77	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Isophorone	ND	10	0.57	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2-Methylnaphthalene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
3/4-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Naphthalene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2-Nitroaniline	ND	10	0.72	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
3-Nitroaniline	ND	10	0.61	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
4-Nitroaniline	ND	10	0.62	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Nitrobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2-Nitrophenol	ND	10	0.53	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
4-Nitrophenol	ND	10	2.2	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.40	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
N-Nitrosodi-n-propylamine	ND	10	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Pentachlorophenol	ND	10	3.7	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Phenanthrene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Phenol	ND	10	0.24	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
Pyrene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.68	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2,4,5-Trichlorophenol	ND	10	0.54	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL
2,4,6-Trichlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/20/22	4/26/22 21:48	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.7	15-110		4/26/22 21:48
Phenol-d6	25.7	15-110		4/26/22 21:48
Nitrobenzene-d5	52.4	30-130		4/26/22 21:48
2-Fluorobiphenyl	58.6	30-130		4/26/22 21:48
2,4,6-Tribromophenol	75.7	15-110		4/26/22 21:48
p-Terphenyl-d14	68.0	30-130		4/26/22 21:48

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.24	0.040	µg/L	1		SW-846 8270E	4/20/22	4/25/22 21:58	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	25.5	15-110		4/25/22 21:58

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.7	1.9	0.71	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoropentanoic acid (PFPeA)	0.61	1.9	0.37	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorohexanoic acid (PFHxA)	0.44	1.9	0.37	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.47	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
N-EtFOSAA	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
N-MeFOSAA	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.8	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorooctanoic acid (PFOA)	1.2	1.9	0.65	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:43	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.051	0.018	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
gamma-Chlordane [1]	ND	0.051	0.020	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Aldrin [1]	ND	0.051	0.0036	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
alpha-BHC [1]	ND	0.051	0.026	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
beta-BHC [1]	ND	0.051	0.022	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
delta-BHC [1]	ND	0.051	0.030	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
gamma-BHC (Lindane) [1]	ND	0.031	0.0044	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
4,4'-DDD [1]	ND	0.041	0.0046	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
4,4'-DDE [1]	ND	0.041	0.0044	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
4,4'-DDT [1]	ND	0.041	0.0040	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Dieldrin [1]	ND	0.0021	0.00080	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Endosulfan I [1]	ND	0.051	0.025	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Endosulfan II [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Endosulfan sulfate [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Endrin [1]	ND	0.082	0.016	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Endrin aldehyde [1]	ND	0.082	0.018	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Endrin ketone [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Heptachlor [1]	ND	0.051	0.0046	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Heptachlor epoxide [1]	ND	0.051	0.0034	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Methoxychlor [1]	ND	0.51	0.054	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG
Toxaphene [1]	ND	1.0	0.32	µg/L	1		SW-846 8081B	4/20/22	5/3/22 17:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.2	30-150		5/3/22 17:33
Decachlorobiphenyl [2]	64.4	30-150		5/3/22 17:33
Tetrachloro-m-xylene [1]	67.2	30-150		5/3/22 17:33
Tetrachloro-m-xylene [2]	63.8	30-150		5/3/22 17:33

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.054	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM
Aroclor-1221 [1]	ND	0.21	0.081	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM
Aroclor-1232 [1]	ND	0.21	0.074	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM
Aroclor-1242 [1]	ND	0.21	0.078	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM
Aroclor-1248 [1]	ND	0.21	0.091	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM
Aroclor-1254 [1]	ND	0.21	0.080	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM
Aroclor-1260 [1]	ND	0.21	0.064	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM
Aroclor-1262 [1]	ND	0.21	0.065	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM
Aroclor-1268 [1]	ND	0.21	0.079	µg/L	1		SW-846 8082A	4/20/22	5/3/22 14:01	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.4	30-150		5/3/22 14:01
Decachlorobiphenyl [2]	81.2	30-150		5/3/22 14:01
Tetrachloro-m-xylene [1]	75.7	30-150		5/3/22 14:01
Tetrachloro-m-xylene [2]	64.5	30-150		5/3/22 14:01

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.53	0.11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
2,4-DB [1]	ND	0.53	0.18	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
2,4,5-TP (Silvex) [1]	ND	0.053	0.011	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
2,4,5-T [1]	ND	0.11	0.026	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
Dalalpon [1]	ND	1.3	0.18	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
Dicamba [1]	ND	0.053	0.016	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
Dichloroprop [1]	ND	0.53	0.20	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
Dinoseb [1]	ND	0.27	0.050	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
MCPA [1]	ND	53	10	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG
MCPP [1]	ND	53	10	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	66.4	30-150		4/24/22 3:02
2,4-Dichlorophenylacetic acid [2]	72.4	30-150		4/24/22 3:02

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Barium	0.040	0.050	0.0056	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Calcium	86	0.50	0.11	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/20/22	5/17/22 16:26	QNW
Iron	0.055	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Magnesium	25	0.050	0.0095	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Manganese	0.0032	0.010	0.0017	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/1/22	5/2/22 15:53	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Potassium	1.6	2.0	0.30	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/20/22	5/17/22 16:26	QNW
Sodium	52	2.0	0.53	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:07	MJH
Zinc	0.0095	0.010	0.0042	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:07	MJH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-5 | Sampled: 4/13/2022 15:10

Sample ID: 22D1346-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SW-846 9014	4/22/22	4/23/22 9:02	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/21/22	4/21/22 12:51	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		4/21/22 12:51
Toluene-d8	97.9	70-130		4/21/22 12:51
4-Bromofluorobenzene	99.0	70-130		4/21/22 12:51

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	0.57	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Benzaldehyde	ND	10	0.47	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Biphenyl	ND	21	0.43	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Caprolactam	ND	10	0.29	µg/L	1	L-04	SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Acenaphthene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Acenaphthylene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Acetophenone	ND	10	0.55	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Anthracene	ND	5.2	0.48	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Benzo(a)anthracene	ND	5.2	0.42	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Benzo(a)pyrene	ND	5.2	0.59	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Benzo(b)fluoranthene	ND	5.2	0.49	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Benzo(g,h,i)perylene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Benzo(k)fluoranthene	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Bis(2-chloroethoxy)methane	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Bis(2-chloroethyl)ether	ND	10	0.59	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.72	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.88	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
4-Bromophenylphenylether	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Butylbenzylphthalate	ND	10	0.70	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Carbazole	ND	10	0.44	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
4-Chloroaniline	ND	10	0.60	µg/L	1	V-34	SW-846 8270E	4/20/22	5/2/22 21:31	BGL
4-Chloro-3-methylphenol	ND	10	0.58	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2-Chloronaphthalene	ND	10	0.51	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2-Chlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
4-Chlorophenylphenylether	ND	10	0.50	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Chrysene	ND	5.2	0.41	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Dibenz(a,h)anthracene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Dibenzofuran	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Di-n-butylphthalate	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
3,3-Dichlorobenzidine	ND	10	0.74	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Diethylphthalate	ND	10	0.44	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2,4-Dimethylphenol	ND	10	0.73	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.3	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2,4-Dinitrophenol	ND	10	8.4	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2,4-Dinitrotoluene	ND	10	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2,6-Dinitrotoluene	ND	10	0.54	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Di-n-octylphthalate	ND	10	4.1	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Fluoranthene	ND	5.2	0.45	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Fluorene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Hexachlorobenzene	ND	10	0.53	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Hexachlorobutadiene	ND	10	0.81	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Hexachlorocyclopentadiene	ND	10	3.8	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.77	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Indeno(1,2,3-cd)pyrene	ND	5.2	0.77	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Isophorone	ND	10	0.57	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2-Methylnaphthalene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
3/4-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Naphthalene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2-Nitroaniline	ND	10	0.72	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
3-Nitroaniline	ND	10	0.61	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
4-Nitroaniline	ND	10	0.62	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Nitrobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2-Nitrophenol	ND	10	0.53	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
4-Nitrophenol	ND	10	2.2	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.40	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
N-Nitrosodi-n-propylamine	ND	10	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Pentachlorophenol	ND	10	3.7	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Phenanthrene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Phenol	ND	10	0.24	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
Pyrene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.68	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2,4,5-Trichlorophenol	ND	10	0.54	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL
2,4,6-Trichlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:31	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.7	15-110		5/2/22 21:31
Phenol-d6	36.9	15-110		5/2/22 21:31
Nitrobenzene-d5	78.7	30-130		5/2/22 21:31
2-Fluorobiphenyl	83.3	30-130		5/2/22 21:31
2,4,6-Tribromophenol	95.5	15-110		5/2/22 21:31
p-Terphenyl-d14	83.9	30-130		5/2/22 21:31

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.24	0.040	µg/L	1		SW-846 8270E	4/20/22	4/25/22 22:18	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.8	15-110		4/25/22 22:18

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.3	2.2	0.81	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorobutanesulfonic acid (PFBS)	0.83	2.2	0.31	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoropentanoic acid (PFPeA)	3.8	2.2	0.43	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorohexanoic acid (PFHxA)	2.5	2.2	0.42	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.2	0.70	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
9Cl-PF3ONS (F53B Major)	ND	2.2	0.43	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.2	0.38	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.2	0.26	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.2	0.66	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorodecanoic acid (PFDA)	ND	2.2	0.54	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.2	0.48	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.2	0.25	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.2	1.0	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
N-EtFOSAA	ND	2.2	0.69	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
N-MeFOSAA	ND	2.2	0.83	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorotetradecanoic acid (PFTA)	ND	2.2	0.40	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	2.2	0.30	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.2	0.31	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	2.2	0.36	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorooctanesulfonamide (FOSA)	ND	2.2	0.46	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorononanesulfonic acid (PFNS)	ND	2.2	0.18	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.2	0.34	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.25	2.2	0.21	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorohexanesulfonic acid (PFHxS)	3.7	2.2	0.37	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.2	0.45	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.2	0.37	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	4.3	2.2	0.40	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.2	0.28	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.2	0.40	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.2	0.30	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluoroheptanoic acid (PFHpA)	2.3	2.2	0.38	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorooctanoic acid (PFOA)	49	2.2	0.74	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorooctanesulfonic acid (PFOS)	3.7	2.2	0.66	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH
Perfluorononanoic acid (PFNA)	ND	2.2	0.38	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:40	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.051	0.018	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
gamma-Chlordane [1]	ND	0.051	0.020	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Aldrin [1]	ND	0.051	0.0036	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
alpha-BHC [1]	ND	0.051	0.026	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
beta-BHC [1]	ND	0.051	0.022	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
delta-BHC [1]	ND	0.051	0.030	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
gamma-BHC (Lindane) [1]	ND	0.031	0.0044	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
4,4'-DDD [1]	ND	0.041	0.0046	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
4,4'-DDE [1]	ND	0.041	0.0044	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
4,4'-DDT [1]	ND	0.041	0.0040	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Dieldrin [1]	ND	0.0021	0.00080	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Endosulfan I [1]	ND	0.051	0.025	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Endosulfan II [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Endosulfan sulfate [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Endrin [1]	ND	0.082	0.016	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Endrin aldehyde [1]	ND	0.082	0.018	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Endrin ketone [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Heptachlor [1]	ND	0.051	0.0046	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Heptachlor epoxide [1]	ND	0.051	0.0034	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Methoxychlor [1]	ND	0.51	0.054	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG
Toxaphene [1]	ND	1.0	0.32	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:00	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	52.9	30-150		4/26/22 20:00
Decachlorobiphenyl [2]	54.7	30-150		4/26/22 20:00
Tetrachloro-m-xylene [1]	58.0	30-150		4/26/22 20:00
Tetrachloro-m-xylene [2]	46.9	30-150		4/26/22 20:00

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.054	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG
Aroclor-1221 [1]	ND	0.21	0.081	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG
Aroclor-1232 [1]	ND	0.21	0.074	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG
Aroclor-1242 [1]	ND	0.21	0.078	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG
Aroclor-1248 [1]	ND	0.21	0.091	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG
Aroclor-1254 [1]	ND	0.21	0.080	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG
Aroclor-1260 [1]	ND	0.21	0.064	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG
Aroclor-1262 [1]	ND	0.21	0.065	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG
Aroclor-1268 [1]	ND	0.21	0.079	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.5	30-150		4/26/22 11:26
Decachlorobiphenyl [2]	75.9	30-150		4/26/22 11:26
Tetrachloro-m-xylene [1]	57.0	30-150		4/26/22 11:26
Tetrachloro-m-xylene [2]	63.0	30-150		4/26/22 11:26

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.57	0.12	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
2,4-DB [1]	ND	0.57	0.19	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
2,4,5-TP (Silvex) [1]	ND	0.057	0.011	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
2,4,5-T [1]	ND	0.11	0.028	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
Dalalpon [1]	ND	1.4	0.19	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
Dicamba [1]	ND	0.057	0.017	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
Dichloroprop [1]	ND	0.57	0.21	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
Dinoseb [1]	ND	0.28	0.053	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
MCPA [1]	ND	57	11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG
MCPP [1]	ND	57	11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 3:42	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	84.6	30-150		4/24/22 3:42
2,4-Dichlorophenylacetic acid [2]	85.3	30-150		4/24/22 3:42

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1.8	0.050	0.015	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Barium	0.14	0.050	0.0056	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Calcium	210	0.50	0.11	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Chromium	0.0036	0.010	0.0025	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Cobalt	0.0048	0.010	0.0014	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Copper	0.0063	0.010	0.0036	mg/L	1	J	SW-846 6010D	4/20/22	5/17/22 16:32	QNW
Iron	4.1	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Magnesium	29	0.050	0.0095	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Manganese	0.84	0.010	0.0017	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/1/22	5/2/22 15:55	TDK
Nickel	0.012	0.010	0.0088	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Potassium	5.5	2.0	0.30	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/20/22	5/17/22 16:32	QNW
Sodium	2.2	2.0	0.53	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Vanadium	0.0049	0.010	0.0031	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:15	MJH
Zinc	0.033	0.010	0.0042	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:15	MJH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-2 | Sampled: 4/14/2022 14:00

Sample ID: 22D1346-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0067	0.010	0.0035	mg/L	1	J	SW-846 9014	4/22/22	4/23/22 9:02	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:21	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		4/21/22 13:21
Toluene-d8	96.7	70-130		4/21/22 13:21
4-Bromofluorobenzene	99.0	70-130		4/21/22 13:21

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	0.57	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Benzaldehyde	ND	10	0.47	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Biphenyl	ND	21	0.43	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Caprolactam	ND	10	0.29	µg/L	1	L-04	SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Acenaphthene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Acenaphthylene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Acetophenone	ND	10	0.55	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Anthracene	ND	5.2	0.48	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Benzo(a)anthracene	ND	5.2	0.42	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Benzo(a)pyrene	ND	5.2	0.59	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Benzo(b)fluoranthene	ND	5.2	0.49	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Benzo(g,h,i)perylene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Benzo(k)fluoranthene	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Bis(2-chloroethoxy)methane	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Bis(2-chloroethyl)ether	ND	10	0.59	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.72	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.88	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
4-Bromophenylphenylether	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Butylbenzylphthalate	ND	10	0.70	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Carbazole	ND	10	0.44	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
4-Chloroaniline	ND	10	0.60	µg/L	1	V-34	SW-846 8270E	4/20/22	5/2/22 21:59	BGL
4-Chloro-3-methylphenol	ND	10	0.58	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2-Chloronaphthalene	ND	10	0.51	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2-Chlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
4-Chlorophenylphenylether	ND	10	0.50	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Chrysene	ND	5.2	0.41	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Dibenz(a,h)anthracene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Dibenzofuran	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Di-n-butylphthalate	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
3,3-Dichlorobenzidine	ND	10	0.74	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Diethylphthalate	ND	10	0.44	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2,4-Dimethylphenol	ND	10	0.73	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.3	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2,4-Dinitrophenol	ND	10	8.4	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2,4-Dinitrotoluene	ND	10	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2,6-Dinitrotoluene	ND	10	0.54	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Di-n-octylphthalate	ND	10	4.1	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Fluoranthene	ND	5.2	0.45	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Fluorene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Hexachlorobenzene	ND	10	0.53	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Hexachlorobutadiene	ND	10	0.81	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Hexachlorocyclopentadiene	ND	10	3.8	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.77	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Indeno(1,2,3-cd)pyrene	ND	5.2	0.77	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Isophorone	ND	10	0.57	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2-Methylnaphthalene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
3/4-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Naphthalene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2-Nitroaniline	ND	10	0.72	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
3-Nitroaniline	ND	10	0.61	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
4-Nitroaniline	ND	10	0.62	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Nitrobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2-Nitrophenol	ND	10	0.53	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
4-Nitrophenol	ND	10	2.2	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.40	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
N-Nitrosodi-n-propylamine	ND	10	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Pentachlorophenol	ND	10	3.7	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Phenanthrene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Phenol	ND	10	0.24	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
Pyrene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.68	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2,4,5-Trichlorophenol	ND	10	0.54	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL
2,4,6-Trichlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/20/22	5/2/22 21:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.8	15-110		5/2/22 21:59
Phenol-d6	29.7	15-110		5/2/22 21:59
Nitrobenzene-d5	64.9	30-130		5/2/22 21:59
2-Fluorobiphenyl	75.2	30-130		5/2/22 21:59
2,4,6-Tribromophenol	84.5	15-110		5/2/22 21:59
p-Terphenyl-d14	77.3	30-130		5/2/22 21:59

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	4/20/22	4/25/22 22:38	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	23.5	15-110		4/25/22 22:38	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	1.8	0.67	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorobutanesulfonic acid (PFBS)	0.86	1.8	0.25	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoropentanoic acid (PFPeA)	3.4	1.8	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorohexanoic acid (PFHxA)	2.2	1.8	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.44	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.40	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.84	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
N-EtFOSAA	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
N-MeFOSAA	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	0.31	1.8	0.28	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.18	1.8	0.17	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorohexanesulfonic acid (PFHxS)	3.7	1.8	0.30	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	4.9	1.8	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	0.23	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluoroheptanoic acid (PFHpA)	2.2	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorooctanoic acid (PFOA)	51	1.8	0.61	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorooctanesulfonic acid (PFOS)	3.5	1.8	0.54	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 7:58	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.060	0.022	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
gamma-Chlordane [1]	ND	0.060	0.023	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Aldrin [1]	ND	0.060	0.0042	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
alpha-BHC [1]	ND	0.060	0.031	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
beta-BHC [1]	ND	0.060	0.026	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
delta-BHC [1]	ND	0.060	0.035	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
gamma-BHC (Lindane) [1]	ND	0.036	0.0052	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
4,4'-DDD [1]	ND	0.048	0.0053	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
4,4'-DDE [1]	ND	0.048	0.0051	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
4,4'-DDT [1]	ND	0.048	0.0047	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Dieldrin [1]	ND	0.0024	0.00093	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Endosulfan I [1]	ND	0.060	0.030	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Endosulfan II [1]	ND	0.096	0.018	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Endosulfan sulfate [1]	ND	0.096	0.018	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Endrin [1]	ND	0.096	0.019	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Endrin aldehyde [1]	ND	0.096	0.021	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Endrin ketone [1]	ND	0.096	0.017	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Heptachlor [1]	ND	0.060	0.0054	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Heptachlor epoxide [1]	ND	0.060	0.0039	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Methoxychlor [1]	ND	0.60	0.063	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG
Toxaphene [1]	ND	1.2	0.38	µg/L	1		SW-846 8081B	4/21/22	4/26/22 20:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	62.7	30-150		4/26/22 20:27
Decachlorobiphenyl [2]	65.5	30-150		4/26/22 20:27
Tetrachloro-m-xylene [1]	61.4	30-150		4/26/22 20:27
Tetrachloro-m-xylene [2]	53.9	30-150		4/26/22 20:27

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	0.063	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG
Aroclor-1221 [1]	ND	0.24	0.095	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG
Aroclor-1232 [1]	ND	0.24	0.087	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG
Aroclor-1242 [1]	ND	0.24	0.091	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG
Aroclor-1248 [1]	ND	0.24	0.11	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG
Aroclor-1254 [1]	ND	0.24	0.093	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG
Aroclor-1260 [1]	ND	0.24	0.074	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG
Aroclor-1262 [1]	ND	0.24	0.076	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG
Aroclor-1268 [1]	ND	0.24	0.093	µg/L	1		SW-846 8082A	4/21/22	4/26/22 11:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.9	30-150		4/26/22 11:44
Decachlorobiphenyl [2]	90.3	30-150		4/26/22 11:44
Tetrachloro-m-xylene [1]	63.1	30-150		4/26/22 11:44
Tetrachloro-m-xylene [2]	69.8	30-150		4/26/22 11:44

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.55	0.11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
2,4-DB [1]	ND	0.55	0.19	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
2,4,5-TP (Silvex) [1]	ND	0.055	0.011	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
2,4,5-T [1]	ND	0.11	0.027	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
Dalalpon [1]	ND	1.4	0.18	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
Dicamba [1]	ND	0.055	0.017	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
Dichloroprop [1]	ND	0.55	0.21	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
Dinoseb [1]	ND	0.27	0.051	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
MCPA [1]	ND	55	10	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG
MCPP [1]	ND	55	11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 4:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	85.3	30-150		4/24/22 4:22
2,4-Dichlorophenylacetic acid [2]	93.0	30-150		4/24/22 4:22

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

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Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.90	0.050	0.015	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Barium	0.14	0.050	0.0056	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Calcium	220	0.50	0.11	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Cobalt	0.0046	0.010	0.0014	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Copper	0.0064	0.010	0.0036	mg/L	1	J	SW-846 6010D	4/20/22	4/23/22 14:20	MJH
Iron	2.7	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Magnesium	32	0.050	0.0095	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Manganese	0.85	0.010	0.0017	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/1/22	5/2/22 15:57	TDK
Nickel	0.011	0.010	0.0088	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Potassium	5.2	2.0	0.30	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/20/22	4/23/22 14:20	MJH
Sodium	2.0	2.0	0.53	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Vanadium	0.0045	0.010	0.0031	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:23	MJH
Zinc	0.032	0.010	0.0042	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:23	MJH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Duplicate | Sampled: 4/14/2022 13:30

Sample ID: 22D1346-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0042	0.010	0.0035	mg/L	1	J	SW-846 9014	4/22/22	4/23/22 9:02	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-1 | Sampled: 4/15/2022 10:15

Sample ID: 22D1346-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-1 | Sampled: 4/15/2022 10:15

Sample ID: 22D1346-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/21/22	4/21/22 13:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		4/21/22 13:50
Toluene-d8	97.2	70-130		4/21/22 13:50
4-Bromofluorobenzene	98.4	70-130		4/21/22 13:50

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Sample ID: 22D1346-08

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	4/23/22	4/25/22 16:12	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	22.4	15-110		4/25/22 16:12

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-1 | Sampled: 4/15/2022 10:15

Sample ID: 22D1346-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.92	1.9	0.70	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorobutanesulfonic acid (PFBS)	0.40	1.9	0.27	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoropentanoic acid (PFPeA)	0.50	1.9	0.37	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorohexanoic acid (PFHxA)	0.43	1.9	0.36	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.46	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
N-EtFOSAA	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
N-MeFOSAA	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.29	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorohexanesulfonic acid (PFHxS)	0.38	1.9	0.32	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.3	1.9	0.35	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.24	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorooctanoic acid (PFOA)	0.65	1.9	0.64	ng/L	1	J	SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	5/2/22	5/5/22 22:47	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MW-1 | Sampled: 4/15/2022 10:15

Sample ID: 22D1346-08

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.51	0.11	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
2,4-DB [1]	ND	0.51	0.17	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
2,4,5-TP (Silvex) [1]	ND	0.051	0.010	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
2,4,5-T [1]	ND	0.10	0.025	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
Dalalpon [1]	ND	1.3	0.17	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
Dicamba [1]	ND	0.051	0.016	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
Dichloroprop [1]	ND	0.51	0.19	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
Dinoseb [1]	ND	0.26	0.048	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
MCPA [1]	ND	51	9.6	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB
MCPP [1]	ND	51	10	µg/L	1		SW-846 8151A	4/25/22	4/30/22 18:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	79.0	30-150		4/30/22 18:35
2,4-Dichlorophenylacetic acid [2]	91.6	30-150		4/30/22 18:35

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.0	50	2.0	µg/L	1	J	SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1	V-05	SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,1-Dichloroethane	0.20	1.0	0.14	µg/L	1	J	SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Methyl tert-Butyl Ether (MTBE)	0.18	1.0	0.17	µg/L	1	J	SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/25/22	4/25/22 12:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		4/25/22 12:35
Toluene-d8	96.7	70-130		4/25/22 12:35
4-Bromofluorobenzene	99.4	70-130		4/25/22 12:35

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	0.57	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Benzaldehyde	ND	10	0.47	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Biphenyl	ND	21	0.43	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Caprolactam	ND	10	0.29	µg/L	1	L-04, MS-09	SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Acenaphthene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Acenaphthylene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Acetophenone	ND	10	0.55	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Anthracene	ND	5.2	0.48	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Benzo(a)anthracene	ND	5.2	0.42	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Benzo(a)pyrene	ND	5.2	0.59	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Benzo(b)fluoranthene	ND	5.2	0.49	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Benzo(g,h,i)perylene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Benzo(k)fluoranthene	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Bis(2-chloroethoxy)methane	ND	10	0.48	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Bis(2-chloroethyl)ether	ND	10	0.59	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.72	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.88	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
4-Bromophenylphenylether	ND	10	0.49	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Butylbenzylphthalate	ND	10	0.70	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Carbazole	ND	10	0.44	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
4-Chloroaniline	ND	10	0.60	µg/L	1	V-34	SW-846 8270E	4/22/22	5/2/22 22:25	BGL
4-Chloro-3-methylphenol	ND	10	0.58	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2-Chloronaphthalene	ND	10	0.51	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2-Chlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
4-Chlorophenylphenylether	ND	10	0.50	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Chrysene	ND	5.2	0.41	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Dibenz(a,h)anthracene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Dibenzofuran	ND	5.2	0.51	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Di-n-butylphthalate	ND	10	0.48	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
3,3-Dichlorobenzidine	ND	10	0.74	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Diethylphthalate	ND	10	0.44	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2,4-Dimethylphenol	ND	10	0.73	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.3	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2,4-Dinitrophenol	ND	10	8.4	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2,4-Dinitrotoluene	ND	10	0.64	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2,6-Dinitrotoluene	ND	10	0.54	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Di-n-octylphthalate	ND	10	4.1	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Fluoranthene	ND	5.2	0.45	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Fluorene	ND	5.2	0.54	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Hexachlorobenzene	ND	10	0.53	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Hexachlorobutadiene	ND	10	0.81	µg/L	1	R-06	SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Hexachlorocyclopentadiene	ND	10	3.8	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.77	µg/L	1	R-06	SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Indeno(1,2,3-cd)pyrene	ND	5.2	0.77	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Isophorone	ND	10	0.57	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2-Methylnaphthalene	ND	5.2	0.72	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
3/4-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Naphthalene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2-Nitroaniline	ND	10	0.72	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
3-Nitroaniline	ND	10	0.61	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
4-Nitroaniline	ND	10	0.62	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Nitrobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2-Nitrophenol	ND	10	0.53	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
4-Nitrophenol	ND	10	2.2	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.40	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
N-Nitrosodi-n-propylamine	ND	10	0.64	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Pentachlorophenol	ND	10	3.7	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Phenanthrene	ND	5.2	0.50	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Phenol	ND	10	0.24	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
Pyrene	ND	5.2	0.64	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.68	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2,4,5-Trichlorophenol	ND	10	0.54	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL
2,4,6-Trichlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/22/22	5/2/22 22:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	48.9	15-110		5/2/22 22:25
Phenol-d6	35.0	15-110		5/2/22 22:25
Nitrobenzene-d5	74.1	30-130		5/2/22 22:25
2-Fluorobiphenyl	77.6	30-130		5/2/22 22:25
2,4,6-Tribromophenol	92.6	15-110		5/2/22 22:25
p-Terphenyl-d14	82.6	30-130		5/2/22 22:25

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.42	0.21	0.034	µg/L	1		SW-846 8270E	4/22/22	4/25/22 22:58	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	25.8	15-110		4/25/22 22:58	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.2	2.1	0.78	ng/L	1	MS-07A	SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorobutanesulfonic acid (PFBS)	1.8	2.1	0.30	ng/L	1	J, MS-22	SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoropentanoic acid (PFPeA)	3.2	2.1	0.41	ng/L	1	MS-22	SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorohexanoic acid (PFHxA)	3.5	2.1	0.41	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.1	0.68	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
9Cl-PF3ONS (F53B Major)	ND	2.1	0.41	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.1	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.1	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.1	0.64	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorodecanoic acid (PFDA)	ND	2.1	0.52	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.1	0.47	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1	0.24	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.1	0.99	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
N-EtFOSAA	ND	2.1	0.66	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
N-MeFOSAA	ND	2.1	0.80	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorotetradecanoic acid (PFTA)	ND	2.1	0.39	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	2.1	0.29	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.1	0.30	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	2.1	0.34	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorooctanesulfonamide (FOSA)	ND	2.1	0.44	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorononanesulfonic acid (PFNS)	ND	2.1	0.18	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.1	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.30	2.1	0.20	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.1	2.1	0.36	ng/L	1	MS-22	SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.1	0.44	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.1	0.36	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	3.2	2.1	0.39	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoropetanesulfonic acid (PFPeS)	0.49	2.1	0.27	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.1	0.39	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	0.29	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluoroheptanoic acid (PFHpA)	7.0	2.1	0.36	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorooctanoic acid (PFOA)	3.2	2.1	0.72	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.1	0.63	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH
Perfluorononanoic acid (PFNA)	ND	2.1	0.36	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:05	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.056	0.020	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
gamma-Chlordane [1]	ND	0.056	0.021	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Aldrin [1]	ND	0.056	0.0039	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
alpha-BHC [1]	ND	0.056	0.029	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
beta-BHC [1]	ND	0.056	0.024	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
delta-BHC [1]	ND	0.056	0.032	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
gamma-BHC (Lindane) [1]	ND	0.033	0.0048	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
4,4'-DDD [1]	ND	0.044	0.0050	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
4,4'-DDE [1]	ND	0.044	0.0048	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
4,4'-DDT [1]	ND	0.044	0.0044	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Dieldrin [1]	ND	0.0022	0.00086	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Endosulfan I [1]	ND	0.056	0.027	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Endosulfan II [1]	ND	0.089	0.017	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Endosulfan sulfate [1]	ND	0.089	0.016	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Endrin [1]	ND	0.089	0.017	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Endrin aldehyde [1]	ND	0.089	0.019	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Endrin ketone [1]	ND	0.089	0.016	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Heptachlor [1]	ND	0.056	0.0050	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Heptachlor epoxide [1]	ND	0.056	0.0036	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Methoxychlor [1]	ND	0.56	0.058	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG
Toxaphene [1]	ND	1.1	0.35	µg/L	1		SW-846 8081B	4/22/22	4/26/22 15:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.3	30-150		4/26/22 15:06
Decachlorobiphenyl [2]	60.1	30-150		4/26/22 15:06
Tetrachloro-m-xylene [1]	55.9	30-150		4/26/22 15:06
Tetrachloro-m-xylene [2]	45.8	30-150		4/26/22 15:06

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	0.059	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG
Aroclor-1221 [1]	ND	0.22	0.088	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG
Aroclor-1232 [1]	ND	0.22	0.081	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG
Aroclor-1242 [1]	ND	0.22	0.085	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG
Aroclor-1248 [1]	ND	0.22	0.098	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG
Aroclor-1254 [1]	ND	0.22	0.087	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG
Aroclor-1260 [1]	ND	0.22	0.069	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG
Aroclor-1262 [1]	ND	0.22	0.071	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG
Aroclor-1268 [1]	ND	0.22	0.086	µg/L	1		SW-846 8082A	4/22/22	4/27/22 15:31	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.6	30-150		4/27/22 15:31
Decachlorobiphenyl [2]	89.3	30-150		4/27/22 15:31
Tetrachloro-m-xylene [1]	60.4	30-150		4/27/22 15:31
Tetrachloro-m-xylene [2]	68.3	30-150		4/27/22 15:31

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.52	0.11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
2,4-DB [1]	ND	0.52	0.18	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
2,4,5-TP (Silvex) [1]	ND	0.052	0.011	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
2,4,5-T [1]	ND	0.10	0.025	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
Dalalpon [1]	ND	1.3	0.18	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
Dicamba [1]	ND	0.052	0.016	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
Dichloroprop [1]	ND	0.52	0.20	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
Dinoseb [1]	ND	0.26	0.049	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
MCPA [1]	ND	52	9.8	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG
MCPP [1]	ND	52	10	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:01	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	82.3	30-150		4/24/22 5:01
2,4-Dichlorophenylacetic acid [2]	87.9	30-150		4/24/22 5:01

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.91	0.050	0.015	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Barium	0.079	0.050	0.0056	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Calcium	210	0.50	0.11	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Chromium	0.0037	0.010	0.0025	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Cobalt	0.0039	0.010	0.0014	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Copper	0.011	0.010	0.0036	mg/L	1		SW-846 6010D	4/20/22	5/17/22 14:47	QNW
Iron	2.6	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Magnesium	49	0.050	0.0095	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Manganese	1.0	0.010	0.0017	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Mercury	0.000052	0.00010	0.000040	mg/L	1	J	SW-846 7470A	5/3/22	5/4/22 12:22	AA2
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Potassium	2.4	2.0	0.30	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/20/22	5/17/22 14:47	QNW
Sodium	13	2.0	0.53	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH
Zinc	0.030	0.010	0.0042	mg/L	1		SW-846 6010D	4/20/22	5/13/22 0:59	MJH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-01 | Sampled: 4/15/2022 11:20

Sample ID: 22D1346-09

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0036	0.010	0.0035	mg/L	1	J, MS-07, R-06	SW-846 9014	4/22/22	4/23/22 9:02	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-02

Sample ID: 22D1346-10 | Start Date/Time: 4/18/2022 9:30:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 10:30:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.3	50	2.0	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,1-Dichloroethane	0.22	1.0	0.14	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Methyl tert-Butyl Ether (MTBE)	0.19	1.0	0.17	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-02

Sample ID: 22D1346-10 | Start Date/Time: 4/18/2022 9:30:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 10:30:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/21/22	4/21/22 14:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		4/21/22 14:48
Toluene-d8	97.7	70-130		4/21/22 14:48
4-Bromofluorobenzene	97.8	70-130		4/21/22 14:48

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-02

Sample ID: 22D1346-10 | Start Date/Time: 4/18/2022 9:30:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 10:30:00AM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.40	0.21	0.034	µg/L	1		SW-846 8270E	4/22/22	4/25/22 23:18	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	22.6	15-110		4/25/22 23:18

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-02

Sample ID: 22D1346-10 | Start Date/Time: 4/18/2022 9:30:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 10:30:00AM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.3	1.9	0.71	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorobutanesulfonic acid (PFBS)	2.3	1.9	0.27	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoropentanoic acid (PFPeA)	3.0	1.9	0.38	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorohexanoic acid (PFHxA)	5.0	1.9	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.47	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.90	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
N-EtFOSAA	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
N-MeFOSAA	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.39	1.9	0.18	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorohexanesulfonic acid (PFHxS)	1.9	1.9	0.32	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	3.1	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoropetanesulfonic acid (PFPeS)	0.49	1.9	0.25	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluoroheptanoic acid (PFHpA)	7.6	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorooctanoic acid (PFOA)	2.6	1.9	0.65	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:12	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-03

Sample ID: 22D1346-11 | Start Date/Time: 4/18/2022 10:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 11:30:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.8	50	2.0	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,1-Dichloroethane	0.22	1.0	0.14	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-03

Sample ID: 22D1346-11 | Start Date/Time: 4/18/2022 10:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 11:30:00AM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:18	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	109	70-130		4/21/22 15:18	
Toluene-d8	95.6	70-130		4/21/22 15:18	
4-Bromofluorobenzene	98.7	70-130		4/21/22 15:18	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-03

Sample ID: 22D1346-11 | Start Date/Time: 4/18/2022 10:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 11:30:00AM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.40	0.21	0.035	µg/L	1		SW-846 8270E	4/22/22	4/25/22 23:38	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.9	15-110		4/25/22 23:38

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-03

Sample ID: 22D1346-11 | Start Date/Time: 4/18/2022 10:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 11:30:00AM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.2	1.8	0.66	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorobutanesulfonic acid (PFBS)	2.6	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoropentanoic acid (PFPeA)	3.1	1.8	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorohexanoic acid (PFHxA)	3.6	1.8	0.34	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.54	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.44	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.39	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.83	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
N-EtFOSAA	ND	1.8	0.56	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
N-MeFOSAA	ND	1.8	0.67	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoro-1-butanesulfonamide (FBSA)	0.29	1.8	0.17	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorohexanesulfonic acid (PFHxS)	1.8	1.8	0.30	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	3.5	1.8	0.32	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoropetanesulfonic acid (PFPeS)	0.45	1.8	0.23	ng/L	1	J	SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.24	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluoroheptanoic acid (PFHpA)	6.4	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorooctanoic acid (PFOA)	2.8	1.8	0.60	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.53	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	4/28/22 8:41	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	7.0	50	2.0	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Benzene	0.51	1.0	0.20	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Chloromethane	3.9	2.0	0.52	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,1-Dichloroethane	0.23	1.0	0.14	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Methyl tert-Butyl Ether (MTBE)	0.28	1.0	0.17	µg/L	1	J	SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/21/22	4/21/22 15:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	109	70-130		4/21/22	15:48
Toluene-d8	97.4	70-130		4/21/22	15:48
4-Bromofluorobenzene	97.6	70-130		4/21/22	15:48

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	22	0.60	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Benzaldehyde	ND	11	0.49	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Biphenyl	ND	22	0.45	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Caprolactam	ND	11	0.31	µg/L	1	L-04	SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Acenaphthene	ND	5.5	0.57	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Acenaphthylene	ND	5.5	0.53	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Acetophenone	ND	11	0.58	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Anthracene	ND	5.5	0.50	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Benzo(a)anthracene	ND	5.5	0.44	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Benzo(a)pyrene	ND	5.5	0.62	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Benzo(b)fluoranthene	ND	5.5	0.52	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Benzo(g,h,i)perylene	ND	5.5	0.67	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Benzo(k)fluoranthene	ND	5.5	0.53	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Bis(2-chloroethoxy)methane	ND	11	0.50	µg/L	1	R-05	SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Bis(2-chloroethyl)ether	ND	11	0.62	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Bis(2-chloroisopropyl)ether	ND	11	0.75	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Bis(2-Ethylhexyl)phthalate	ND	11	0.92	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
4-Bromophenylphenylether	ND	11	0.51	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Butylbenzylphthalate	ND	11	0.74	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Carbazole	ND	11	0.46	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
4-Chloroaniline	ND	11	0.63	µg/L	1	V-34	SW-846 8270E	4/25/22	5/2/22 22:53	BGL
4-Chloro-3-methylphenol	ND	11	0.61	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2-Chloronaphthalene	ND	11	0.53	µg/L	1	R-05	SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2-Chlorophenol	ND	11	0.52	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
4-Chlorophenylphenylether	ND	11	0.52	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Chrysene	ND	5.5	0.43	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Dibenz(a,h)anthracene	ND	5.5	0.75	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Dibenzofuran	ND	5.5	0.53	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Di-n-butylphthalate	ND	11	0.50	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
3,3-Dichlorobenzidine	ND	11	0.78	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2,4-Dichlorophenol	ND	11	0.52	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Diethylphthalate	ND	11	0.46	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2,4-Dimethylphenol	ND	11	0.77	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Dimethylphthalate	ND	11	0.41	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
4,6-Dinitro-2-methylphenol	ND	11	7.7	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2,4-Dinitrophenol	ND	11	8.8	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2,4-Dinitrotoluene	ND	11	0.67	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2,6-Dinitrotoluene	ND	11	0.57	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Di-n-octylphthalate	ND	11	4.3	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Fluoranthene	ND	5.5	0.47	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Fluorene	ND	5.5	0.57	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Hexachlorobenzene	ND	11	0.55	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Hexachlorobutadiene	ND	11	0.85	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Hexachlorocyclopentadiene	ND	11	4.0	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	0.81	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Indeno(1,2,3-cd)pyrene	ND	5.5	0.81	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Isophorone	ND	11	0.60	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2-Methylnaphthalene	ND	5.5	0.76	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2-Methylphenol	ND	11	0.52	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
3/4-Methylphenol	ND	11	0.50	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Naphthalene	ND	5.5	0.67	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2-Nitroaniline	ND	11	0.76	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
3-Nitroaniline	ND	11	0.64	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
4-Nitroaniline	ND	11	0.65	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Nitrobenzene	ND	11	0.68	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2-Nitrophenol	ND	11	0.56	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
4-Nitrophenol	ND	11	2.3	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.42	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
N-Nitrosodi-n-propylamine	ND	11	0.67	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Pentachlorophenol	ND	11	3.8	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Phenanthrene	ND	5.5	0.52	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Phenol	ND	11	0.25	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
Pyrene	ND	5.5	0.67	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
1,2,4,5-Tetrachlorobenzene	ND	11	0.71	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2,4,5-Trichlorophenol	ND	11	0.56	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL
2,4,6-Trichlorophenol	ND	11	0.49	µg/L	1		SW-846 8270E	4/25/22	5/2/22 22:53	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.8	15-110		5/2/22 22:53
Phenol-d6	31.4	15-110		5/2/22 22:53
Nitrobenzene-d5	66.0	30-130		5/2/22 22:53
2-Fluorobiphenyl	76.2	30-130		5/2/22 22:53
2,4,6-Tribromophenol	89.6	15-110		5/2/22 22:53
p-Terphenyl-d14	81.4	30-130		5/2/22 22:53

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.38	0.20	0.033	µg/L	1		SW-846 8270E	4/22/22	4/27/22 23:19	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	23.2	15-110		4/27/22 23:19	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.051	0.018	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
gamma-Chlordane [1]	ND	0.051	0.019	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Aldrin [1]	ND	0.051	0.0036	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
alpha-BHC [1]	ND	0.051	0.026	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
beta-BHC [1]	ND	0.051	0.022	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
delta-BHC [1]	ND	0.051	0.030	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
gamma-BHC (Lindane) [1]	ND	0.031	0.0044	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
4,4'-DDD [1]	ND	0.041	0.0046	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
4,4'-DDE [1]	ND	0.041	0.0044	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
4,4'-DDT [1]	ND	0.041	0.0040	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Dieldrin [1]	ND	0.0020	0.00079	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Endosulfan I [1]	ND	0.051	0.025	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Endosulfan II [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Endosulfan sulfate [2]	ND	0.082	0.012	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Endrin [1]	ND	0.082	0.016	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Endrin aldehyde [1]	ND	0.082	0.017	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Endrin ketone [1]	ND	0.082	0.015	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Heptachlor [1]	ND	0.051	0.0046	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Heptachlor epoxide [1]	ND	0.051	0.0033	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Methoxychlor [2]	ND	0.51	0.060	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG
Toxaphene [1]	ND	1.0	0.32	µg/L	1		SW-846 8081B	4/25/22	5/3/22 22:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.5	30-150		5/3/22 22:06
Decachlorobiphenyl [2]	63.5	30-150		5/3/22 22:06
Tetrachloro-m-xylene [1]	67.2	30-150		5/3/22 22:06
Tetrachloro-m-xylene [2]	68.3	30-150		5/3/22 22:06

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.052	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG
Aroclor-1221 [1]	ND	0.20	0.078	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG
Aroclor-1232 [1]	ND	0.20	0.072	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG
Aroclor-1242 [1]	ND	0.20	0.075	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG
Aroclor-1248 [1]	ND	0.20	0.088	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG
Aroclor-1254 [1]	ND	0.20	0.077	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG
Aroclor-1260 [1]	ND	0.20	0.061	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG
Aroclor-1262 [1]	ND	0.20	0.063	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG
Aroclor-1268 [1]	ND	0.20	0.077	µg/L	1		SW-846 8082A	4/25/22	5/3/22 14:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.4	30-150		5/3/22 14:14
Decachlorobiphenyl [2]	86.4	30-150		5/3/22 14:14
Tetrachloro-m-xylene [1]	74.6	30-150		5/3/22 14:14
Tetrachloro-m-xylene [2]	75.4	30-150		5/3/22 14:14

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.57	0.12	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
2,4-DB [1]	ND	0.57	0.19	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
2,4,5-TP (Silvex) [1]	ND	0.057	0.012	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
2,4,5-T [1]	ND	0.11	0.028	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
Dalalpon [1]	ND	1.4	0.19	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
Dicamba [1]	ND	0.057	0.017	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
Dichloroprop [1]	ND	0.57	0.22	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
Dinoseb [1]	ND	0.29	0.054	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
MCPA [1]	ND	57	11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG
MCPP [1]	ND	57	11	µg/L	1		SW-846 8151A	4/20/22	4/24/22 5:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	80.0	30-150		4/24/22 5:41
2,4-Dichlorophenylacetic acid [2]	83.1	30-150		4/24/22 5:41

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1.9	0.050	0.015	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Barium	0.12	0.050	0.0056	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Calcium	210	0.50	0.11	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Chromium	0.0093	0.010	0.0025	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Cobalt	0.0063	0.010	0.0014	mg/L	1	J	SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Copper	0.0065	0.010	0.0036	mg/L	1	J	SW-846 6010D	4/20/22	5/17/22 16:46	QNW
Iron	3.6	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Magnesium	50	0.050	0.0095	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Manganese	1.4	0.010	0.0017	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/1/22	5/2/22 16:00	TDK
Nickel	0.014	0.010	0.0088	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Potassium	3.1	2.0	0.30	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/20/22	5/17/22 16:46	QNW
Sodium	15	2.0	0.53	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH
Zinc	0.11	0.010	0.0042	mg/L	1		SW-846 6010D	4/20/22	5/13/22 2:31	MJH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: QNSB-MCLN-MW-05

Sample ID: 22D1346-12 | Start Date/Time: 4/18/2022 11:45:00AM

Sample Matrix: Ground Water | Stop Date/Time: 4/18/2022 1:30:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SW-846 9014	4/22/22	4/23/22 9:14	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Trip Blank | Sampled: 4/18/2022 00:00

Sample ID: 22D1346-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1346

Date Received: 4/19/2022

Field Sample #: Trip Blank | Sampled: 4/18/2022 00:00

Sample ID: 22D1346-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	4/21/22	4/21/22 11:51	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		4/21/22 11:51
Toluene-d8	97.9	70-130		4/21/22 11:51
4-Bromofluorobenzene	99.0	70-130		4/21/22 11:51

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306249	Laboratory ID:	B306249-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	121	121		70 - 160
Benzene	10.0	9.79	97.9		70 - 130
Bromochloromethane	10.0	10.9	109		70 - 130
Bromodichloromethane	10.0	10.3	103		70 - 130
Bromoform	10.0	12.2	122		70 - 130
Bromomethane	10.0	13.8	138		40 - 160
2-Butanone (MEK)	100	97.8	97.8		40 - 160
Carbon Disulfide	100	130	130		70 - 130
Carbon Tetrachloride	10.0	11.4	114		70 - 130
Chlorobenzene	10.0	10.6	106		70 - 130
Chlorodibromomethane	10.0	11.1	111		70 - 130
Chloroethane	10.0	13.0	130		70 - 130
Chloroform	10.0	10.9	109		70 - 130
Chloromethane	10.0	9.78	97.8		40 - 160
Cyclohexane	10.0	8.33	83.3		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.4	104		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.5	115		70 - 130
1,2-Dichlorobenzene	10.0	9.79	97.9		70 - 130
1,3-Dichlorobenzene	10.0	9.80	98.0		70 - 130
1,4-Dichlorobenzene	10.0	9.82	98.2		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	10.6	106		40 - 160
1,1-Dichloroethane	10.0	10.2	102		70 - 130
1,2-Dichloroethane	10.0	9.87	98.7		70 - 130
1,1-Dichloroethylene	10.0	12.2	122		70 - 130
cis-1,2-Dichloroethylene	10.0	10.3	103		70 - 130
trans-1,2-Dichloroethylene	10.0	11.6	116		70 - 130
1,2-Dichloropropane	10.0	9.18	91.8		70 - 130
cis-1,3-Dichloropropene	10.0	8.93	89.3		70 - 130
trans-1,3-Dichloropropene	10.0	9.46	94.6		70 - 130
1,4-Dioxane	100	88.8	88.8		40 - 130
Ethylbenzene	10.0	10.1	101		70 - 130
2-Hexanone (MBK)	100	99.5	99.5		70 - 160
Isopropylbenzene (Cumene)	10.0	10.2	102		70 - 130
Methyl Acetate	10.0	13.2	132	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.71	97.1		70 - 130
Methyl Cyclohexane	10.0	8.59	85.9		70 - 130
Methylene Chloride	10.0	12.0	120		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306249	Laboratory ID:	B306249-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.3	103		1.26	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.8	118		2.06	25	70 - 130
1,2-Dichlorobenzene	10.0	9.63	96.3		1.65	25	70 - 130
1,3-Dichlorobenzene	10.0	9.71	97.1		0.923	25	70 - 130
1,4-Dichlorobenzene	10.0	9.71	97.1		1.13	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	10.6	106		0.378	25	40 - 160
1,1-Dichloroethane	10.0	10.2	102		0.197	25	70 - 130
1,2-Dichloroethane	10.0	9.95	99.5		0.807	25	70 - 130
1,1-Dichloroethylene	10.0	12.2	122		0.574	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.3	103		0.485	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.62	96.2		18.3	25	70 - 130
1,2-Dichloropropane	10.0	9.54	95.4		3.85	25	70 - 130
cis-1,3-Dichloropropene	10.0	9.07	90.7		1.56	25	70 - 130
trans-1,3-Dichloropropene	10.0	9.21	92.1		2.68	25	70 - 130
1,4-Dioxane	100	87.3	87.3		1.72	50	40 - 130
Ethylbenzene	10.0	9.62	96.2		4.67	25	70 - 130
2-Hexanone (MBK)	100	103	103		3.12	25	70 - 160
Isopropylbenzene (Cumene)	10.0	10.1	101		1.08	25	70 - 130
Methyl Acetate	10.0	14.0	140	*	6.18	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.77	97.7		0.616	25	70 - 130
Methyl Cyclohexane	10.0	8.50	85.0		1.05	25	70 - 130
Methylene Chloride	10.0	12.1	121		0.581	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	101	101		2.56	25	70 - 160
Styrene	10.0	10.2	102		0.391	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.0	110		0.0905	25	70 - 130
Tetrachloroethylene	10.0	10.6	106		3.94	25	70 - 130
Toluene	10.0	10.5	105		1.63	25	70 - 130
1,2,3-Trichlorobenzene	10.0	9.34	93.4		0.322	25	70 - 130
1,2,4-Trichlorobenzene	10.0	8.47	84.7		1.17	25	70 - 130
1,1,1-Trichloroethane	10.0	11.5	115		1.49	25	70 - 130
1,1,2-Trichloroethane	10.0	10.8	108		4.01	25	70 - 130
Trichloroethylene	10.0	10.5	105		3.00	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	12.2	122		0.975	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.2	112		0.981	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306351	Laboratory ID:	B306351-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	130	130		70 - 160
Benzene	10.0	9.65	96.5		70 - 130
Bromochloromethane	10.0	10.0	100		70 - 130
Bromodichloromethane	10.0	10.6	106		70 - 130
Bromoform	10.0	12.9	129		70 - 130
Bromomethane	10.0	12.6	126		40 - 160
2-Butanone (MEK)	100	110	110		40 - 160
Carbon Disulfide	100	131	131	*	70 - 130
Carbon Tetrachloride	10.0	11.3	113		70 - 130
Chlorobenzene	10.0	10.5	105		70 - 130
Chlorodibromomethane	10.0	11.2	112		70 - 130
Chloroethane	10.0	13.4	134	*	70 - 130
Chloroform	10.0	10.7	107		70 - 130
Chloromethane	10.0	11.4	114		40 - 160
Cyclohexane	10.0	8.57	85.7		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.4	114		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.6	116		70 - 130
1,2-Dichlorobenzene	10.0	9.96	99.6		70 - 130
1,3-Dichlorobenzene	10.0	9.99	99.9		70 - 130
1,4-Dichlorobenzene	10.0	9.85	98.5		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	10.9	109		40 - 160
1,1-Dichloroethane	10.0	9.87	98.7		70 - 130
1,2-Dichloroethane	10.0	10.3	103		70 - 130
1,1-Dichloroethylene	10.0	12.4	124		70 - 130
cis-1,2-Dichloroethylene	10.0	9.93	99.3		70 - 130
trans-1,2-Dichloroethylene	10.0	10.4	104		70 - 130
1,2-Dichloropropane	10.0	9.50	95.0		70 - 130
cis-1,3-Dichloropropene	10.0	9.44	94.4		70 - 130
trans-1,3-Dichloropropene	10.0	9.80	98.0		70 - 130
1,4-Dioxane	100	104	104		40 - 130
Ethylbenzene	10.0	10.0	100		70 - 130
2-Hexanone (MBK)	100	110	110		70 - 160
Isopropylbenzene (Cumene)	10.0	10.3	103		70 - 130
Methyl Acetate	10.0	14.2	142	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.90	99.0		70 - 130
Methyl Cyclohexane	10.0	9.18	91.8		70 - 130
Methylene Chloride	10.0	12.0	120		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306351	Laboratory ID:	B306351-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	108	108	70 - 160
Styrene	10.0	10.2	102	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.9	119	70 - 130
Tetrachloroethylene	10.0	10.4	104	70 - 130
Toluene	10.0	10.0	100	70 - 130
1,2,3-Trichlorobenzene	10.0	11.4	114	70 - 130
1,2,4-Trichlorobenzene	10.0	10.3	103	70 - 130
1,1,1-Trichloroethane	10.0	11.1	111	70 - 130
1,1,2-Trichloroethane	10.0	11.2	112	70 - 130
Trichloroethylene	10.0	10.5	105	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	12.0	120	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.5	115	70 - 130
Vinyl Chloride	10.0	8.26	82.6	40 - 160
m+p Xylene	20.0	20.3	101	70 - 130
o-Xylene	10.0	10.1	101	70 - 130
Xylenes (total)	30.0	30.4	101	0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	126	126		3.44	25	70 - 160
Benzene	10.0	9.78	97.8		1.34	25	70 - 130
Bromochloromethane	10.0	10.3	103		2.75	25	70 - 130
Bromodichloromethane	10.0	10.8	108		1.68	25	70 - 130
Bromoform	10.0	12.6	126		2.12	25	70 - 130
Bromomethane	10.0	14.4	144		13.2	25	40 - 160
2-Butanone (MEK)	100	106	106		4.38	25	40 - 160
Carbon Disulfide	100	133	133	*	1.62	25	70 - 130
Carbon Tetrachloride	10.0	11.4	114		1.50	25	70 - 130
Chlorobenzene	10.0	10.4	104		0.954	25	70 - 130
Chlorodibromomethane	10.0	11.2	112		0.446	25	70 - 130
Chloroethane	10.0	13.7	137	*	1.91	25	70 - 130
Chloroform	10.0	10.9	109		1.86	25	70 - 130
Chloromethane	10.0	11.1	111		3.02	25	40 - 160
Cyclohexane	10.0	8.73	87.3		1.85	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306351	Laboratory ID:	B306351-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.4	114		0.351	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.7	117		0.942	25	70 - 130
1,2-Dichlorobenzene	10.0	9.90	99.0		0.604	25	70 - 130
1,3-Dichlorobenzene	10.0	10.0	100		0.100	25	70 - 130
1,4-Dichlorobenzene	10.0	9.97	99.7		1.21	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	11.4	114		3.95	25	40 - 160
1,1-Dichloroethane	10.0	10.1	101		2.50	25	70 - 130
1,2-Dichloroethane	10.0	10.1	101		2.07	25	70 - 130
1,1-Dichloroethylene	10.0	12.3	123		0.807	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.0	100		0.902	25	70 - 130
trans-1,2-Dichloroethylene	10.0	11.8	118		12.2	25	70 - 130
1,2-Dichloropropane	10.0	9.79	97.9		3.01	25	70 - 130
cis-1,3-Dichloropropene	10.0	9.29	92.9		1.60	25	70 - 130
trans-1,3-Dichloropropene	10.0	9.71	97.1		0.923	25	70 - 130
1,4-Dioxane	100	97.7	97.7		6.33	50	40 - 130
Ethylbenzene	10.0	10.1	101		0.298	25	70 - 130
2-Hexanone (MBK)	100	104	104		5.47	25	70 - 160
Isopropylbenzene (Cumene)	10.0	10.3	103		0.0974	25	70 - 130
Methyl Acetate	10.0	13.6	136	*	4.39	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.5	105		6.07	25	70 - 130
Methyl Cyclohexane	10.0	9.26	92.6		0.868	25	70 - 130
Methylene Chloride	10.0	12.0	120		0.500	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	103	103		4.36	25	70 - 160
Styrene	10.0	10.3	103		0.390	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.6	116		2.38	25	70 - 130
Tetrachloroethylene	10.0	10.4	104		0.192	25	70 - 130
Toluene	10.0	10.0	100		0.199	25	70 - 130
1,2,3-Trichlorobenzene	10.0	10.9	109		4.85	25	70 - 130
1,2,4-Trichlorobenzene	10.0	9.76	97.6		5.19	25	70 - 130
1,1,1-Trichloroethane	10.0	11.4	114		2.58	25	70 - 130
1,1,2-Trichloroethane	10.0	11.1	111		0.539	25	70 - 130
Trichloroethylene	10.0	10.3	103		1.73	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	12.7	127		5.83	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.8	118		2.32	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306653	Laboratory ID:	B306653-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	110	110		70 - 160
Benzene	10.0	8.75	87.5		70 - 130
Bromochloromethane	10.0	9.23	92.3		70 - 130
Bromodichloromethane	10.0	10.4	104		70 - 130
Bromoform	10.0	13.2	132	*	70 - 130
Bromomethane	10.0	12.6	126		40 - 160
2-Butanone (MEK)	100	92.0	92.0		40 - 160
Carbon Disulfide	100	118	118		70 - 130
Carbon Tetrachloride	10.0	10.6	106		70 - 130
Chlorobenzene	10.0	10.7	107		70 - 130
Chlorodibromomethane	10.0	11.0	110		70 - 130
Chloroethane	10.0	12.5	125		70 - 130
Chloroform	10.0	9.90	99.0		70 - 130
Chloromethane	10.0	7.53	75.3		40 - 160
Cyclohexane	10.0	7.72	77.2		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.5	115		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.0	110		70 - 130
1,2-Dichlorobenzene	10.0	10.4	104		70 - 130
1,3-Dichlorobenzene	10.0	10.2	102		70 - 130
1,4-Dichlorobenzene	10.0	10.2	102		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.56	95.6		40 - 160
1,1-Dichloroethane	10.0	9.07	90.7		70 - 130
1,2-Dichloroethane	10.0	9.64	96.4		70 - 130
1,1-Dichloroethylene	10.0	10.8	108		70 - 130
cis-1,2-Dichloroethylene	10.0	8.97	89.7		70 - 130
trans-1,2-Dichloroethylene	10.0	9.01	90.1		70 - 130
1,2-Dichloropropane	10.0	8.73	87.3		70 - 130
cis-1,3-Dichloropropene	10.0	9.01	90.1		70 - 130
trans-1,3-Dichloropropene	10.0	9.43	94.3		70 - 130
1,4-Dioxane	100	93.9	93.9		40 - 130
Ethylbenzene	10.0	10.3	103		70 - 130
2-Hexanone (MBK)	100	95.0	95.0		70 - 160
Isopropylbenzene (Cumene)	10.0	10.2	102		70 - 130
Methyl Acetate	10.0	11.4	114		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.65	96.5		70 - 130
Methyl Cyclohexane	10.0	8.78	87.8		70 - 130
Methylene Chloride	10.0	10.6	106		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306653	Laboratory ID:	B306653-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	94.7	94.7	70 - 160
Styrene	10.0	10.6	106	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.6	116	70 - 130
Tetrachloroethylene	10.0	9.98	99.8	70 - 130
Toluene	10.0	9.34	93.4	70 - 130
1,2,3-Trichlorobenzene	10.0	11.6	116	70 - 130
1,2,4-Trichlorobenzene	10.0	10.7	107	70 - 130
1,1,1-Trichloroethane	10.0	10.5	105	70 - 130
1,1,2-Trichloroethane	10.0	10.6	106	70 - 130
Trichloroethylene	10.0	9.88	98.8	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	11.2	112	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.3	103	70 - 130
Vinyl Chloride	10.0	7.70	77.0	40 - 160
m+p Xylene	20.0	20.4	102	70 - 130
o-Xylene	10.0	10.3	103	70 - 130
Xylenes (total)	30.0	30.7	102	0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	112	112		1.64	25	70 - 160
Benzene	10.0	9.13	91.3		4.25	25	70 - 130
Bromochloromethane	10.0	9.46	94.6		2.46	25	70 - 130
Bromodichloromethane	10.0	10.2	102		1.95	25	70 - 130
Bromoform	10.0	13.5	135	*	1.80	25	70 - 130
Bromomethane	10.0	13.8	138		9.16	25	40 - 160
2-Butanone (MEK)	100	96.5	96.5		4.81	25	40 - 160
Carbon Disulfide	100	124	124		4.56	25	70 - 130
Carbon Tetrachloride	10.0	11.3	113		6.38	25	70 - 130
Chlorobenzene	10.0	10.9	109		2.04	25	70 - 130
Chlorodibromomethane	10.0	10.8	108		1.75	25	70 - 130
Chloroethane	10.0	12.6	126		0.477	25	70 - 130
Chloroform	10.0	10.2	102		2.49	25	70 - 130
Chloromethane	10.0	8.13	81.3		7.66	25	40 - 160
Cyclohexane	10.0	8.15	81.5		5.42	25	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	7.159683E-02	9.0			20	
Acrolein	5.172498E-02	9.1			20	
Acrylonitrile	0.1052471	6.7			20	
tert-Amyl Methyl Ether (TAME)	0.7209663	8.2			20	
Benzene	1.222011	2.8			20	
Bromobenzene	0.6260948	7.3			20	
Bromochloromethane	0.2164615	15.8			20	
Bromodichloromethane	0.2476398	9.4			20	
Bromoform	0.2154443	17.7			20	
Bromomethane	0.1573628	15.6			20	
2-Butanone (MEK)	0.121202	5.9			20	
tert-Butyl Alcohol (TBA)	2.292431E-02	11.7			20	
n-Butylbenzene	1.352282	14.3			20	
sec-Butylbenzene	1.802855	11.0			20	
tert-Butylbenzene	1.253487	10.8			20	
tert-Butyl Ethyl Ether (TBEE)	0.79178	8.0			20	
Carbon Disulfide	0.7967695	8.3			20	
Carbon Tetrachloride	0.3758494	9.0			20	
Chlorobenzene	1.046329	5.5			20	
Chlorodibromomethane	0.1869851	12.4			20	
Chloroethane	0.1804872	13.5			20	
2-Chloroethyl Vinyl Ether	0.1269573	10.0			20	
Chloroform	0.5125747	4.5			20	
Chloromethane	0.3417516	14.5			20	
2-Chlorotoluene	1.177333	4.8			20	
4-Chlorotoluene	1.18012	7.4			20	
Cyclohexane	0.5311212	6.5			20	
1,2-Dibromo-3-chloropropane (DBCP)	6.088938E-02	17.9			20	
1,2-Dibromoethane (EDB)	0.1626881	10.9			20	
Dibromomethane	0.1175663	6.3			20	
1,2-Dichlorobenzene	0.7237142	7.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	0.807913	9.2			20	
1,4-Dichlorobenzene	0.8249951	6.8			20	
trans-1,4-Dichloro-2-butene	0.1075568	11.3			20	
Dichlorodifluoromethane (Freon 12)	0.388165	6.7			20	
1,1-Dichloroethane	0.5225156	5.3			20	
1,2-Dichloroethane	0.257927	13.0			20	
1,1-Dichloroethylene	0.4222399	4.5			20	
cis-1,2-Dichloroethylene	0.4139672	5.1			20	
trans-1,2-Dichloroethylene	0.4209055	4.7			20	
Dichlorofluoromethane (Freon 21)	0.5179793	6.3			20	
1,2-Dichloropropane	0.2033845	5.9			20	
1,3-Dichloropropane	0.2792627	9.6			20	
2,2-Dichloropropane	0.3895988	6.6			20	
1,1-Dichloropropene	0.4005375	6.9			20	
cis-1,3-Dichloropropene	0.3065878	11.4			20	
trans-1,3-Dichloropropene	0.2426863	14.0			20	
Diethyl Ether	0.1934383	5.7			20	
Difluorochloromethane (Freon 22)	0.4034106	7.5			20	
Diisopropyl Ether (DIPE)	0.8727756	5.2			20	
1,4-Dioxane	2.088244E-03	8.5			20	
Ethyl Acetate	0.2454666	8.4			20	
Ethylbenzene	1.760677	7.7			20	
Hexachlorobutadiene	0.2072355	12.1			20	
2-Hexanone (MBK)	0.1139797	11.7			20	
Iodomethane	0.3812631	19.0			20	
Isopropylbenzene (Cumene)	1.744379	6.3			20	
p-Isopropyltoluene (p-Cymene)	1.469487	11.6			20	
Methyl Acetate	0.2306531	15.6			20	
Methyl tert-Butyl Ether (MTBE)	0.703102	7.8			20	
Methyl Cyclohexane	0.3318229	6.8			20	
Methylene Chloride	0.3681109	8.0			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
4-Methyl-2-pentanone (MIBK)	0.1679712	10.9			20	
Naphthalene	0.771276	17.0			20	
n-Propylbenzene	2.023007	8.8			20	
Styrene	1.00575	11.8			20	
1,1,1,2-Tetrachloroethane	0.3436871	10.3			20	
1,1,2,2-Tetrachloroethane	0.3970277	10.4			20	
Tetrachloroethylene	0.2229981	5.4			20	
Tetrahydrofuran	7.719281E-02	11.4			20	
Toluene	0.8432327	4.1			20	
1,2,3-Trichlorobenzene	0.2664118	16.8			20	
1,2,4-Trichlorobenzene	0.3606225	14.8			20	
1,3,5-Trichlorobenzene	0.4526021	13.7			20	
1,1,1-Trichloroethane	0.4099857	8.7			20	
1,1,2-Trichloroethane	0.1579222	8.3			20	
Trichloroethylene	0.2016221	6.4			20	
Trichlorofluoromethane (Freon 11)	0.439477	6.2			20	
1,2,3-Trichloropropane	0.304366	11.3			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.2881461	6.6			20	
1,2,3-Trimethylbenzene	1.37952	9.9			20	
1,2,4-Trimethylbenzene	1.396902	12.4			20	
1,3,5-Trimethylbenzene	1.283313	10.8			20	
Vinyl Acetate	0.6095244	9.9			20	
Vinyl Chloride	0.2174587	13.9			20	
m+p Xylene	1.393248	7.6			20	
o-Xylene	1.363976	7.5			20	
1,2-Dichloroethane-d4	0.4950766	2.1			20	
Toluene-d8	1.190889	1.2			20	
4-Bromofluorobenzene	0.8597184	2.0			20	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100	118	7.159683E-02	0.0843061		17.8	
Acrolein	A	100	26.9	5.172498E-02	1.393018E-02		-73.1	
Acrylonitrile	A	10.0	10.1	0.1052471	0.1061924		0.9	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.1	0.7209663	0.7277661		0.9	
Benzene	A	10.0	9.89	1.222011	1.208739		-1.1	
Bromobenzene	A	10.0	10.8	0.6260948	0.6740082		7.7	
Bromochloromethane	A	10.0	10.8	0.2164615	0.2331615		7.7	
Bromodichloromethane	A	10.0	10.0	0.2476398	0.2478625		0.09	
Bromoform	A	10.0	11.2	0.2154443	0.2416618		12.2	
Bromomethane	A	10.0	10.2	0.1573628	0.1613513		2.5	
2-Butanone (MEK)	A	100	97.2	0.121202	0.1178482		-2.8	
tert-Butyl Alcohol (TBA)	A	100	92.8	2.292431E-02	2.128412E-02		-7.2	
n-Butylbenzene	A	10.0	10.8	1.352282	1.457815		7.8	
sec-Butylbenzene	A	10.0	11.4	1.802855	2.05115		13.8	
tert-Butylbenzene	A	10.0	11.0	1.253487	1.374203		9.6	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.3	0.79178	0.8134363		2.7	
Carbon Disulfide	A	10.0	11.6	0.7967695	0.9219723		15.7	
Carbon Tetrachloride	A	10.0	10.4	0.3758494	0.3890706		3.5	
Chlorobenzene	A	10.0	10.9	1.046329	1.137532		8.7	
Chlorodibromomethane	A	10.0	9.88	0.1869851	0.1846562		-1.2	
Chloroethane	A	10.0	8.74	0.1804872	0.1577612		-12.6	
Chloroform	A	10.0	10.1	0.5125747	0.5193928		1.3	
Chloromethane	A	10.0	8.04	0.3417516	0.2746975		-19.6	
2-Chlorotoluene	A	10.0	10.3	1.177333	1.209157		2.7	
4-Chlorotoluene	A	10.0	11.0	1.18012	1.302553		10.4	
Cyclohexane	A	10.0	10.8	0.5311212	0.5737267		8.0	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.8	6.088938E-02	6.606279E-02		8.5	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.1626881	0.1713314		5.3	
Dibromomethane	A	10.0	9.86	0.1175663	0.1159479		-1.4	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.0	0.7237142	0.7933398		9.6	
1,3-Dichlorobenzene	A	10.0	11.3	0.807913	0.9105337		12.7	
1,4-Dichlorobenzene	A	10.0	10.8	0.8249951	0.8930705		8.3	
trans-1,4-Dichloro-2-butene	A	10.0	9.45	0.1075568	0.1016926		-5.5	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.40	0.388165	0.3648793		-6.0	
1,1-Dichloroethane	A	10.0	10.4	0.5225156	0.5461735		4.5	
1,2-Dichloroethane	A	10.0	9.49	0.257927	0.2447904		-5.1	
1,1-Dichloroethylene	A	10.0	10.0	0.4222399	0.4229525		0.2	
cis-1,2-Dichloroethylene	A	10.0	10.2	0.4139672	0.4199944		1.5	
trans-1,2-Dichloroethylene	A	10.0	10.1	0.4209055	0.4242516		0.8	
Dichlorofluoromethane (Freon 21)	A	10.0	10.3	0.5179793	0.5341042		3.1	
1,2-Dichloropropane	A	10.0	10.5	0.2033845	0.2137053		5.1	
1,3-Dichloropropane	A	10.0	10.0	0.2792627	0.2791294		-0.05	
2,2-Dichloropropane	A	10.0	10.1	0.3895988	0.393872		1.1	
1,1-Dichloropropene	A	10.0	10.3	0.4005375	0.410769		2.6	
cis-1,3-Dichloropropene	A	10.0	10.2	0.3065878	0.3137168		2.3	
trans-1,3-Dichloropropene	A	10.0	10.6	0.2426863	0.2577698		6.2	
Diethyl Ether	A	10.0	11.2	0.1934383	0.2167911		12.1	
Difluorochloromethane (Freon 22)	A	10.0	9.13	0.4034106	0.3682412		-8.7	
Diisopropyl Ether (DIPE)	A	10.0	10.8	0.8727756	0.9401772		7.7	
1,4-Dioxane	A	100	90.0	2.088244E-03	1.879041E-03		-10.0	
Ethyl Acetate	A	10.0	9.91	0.2454666	0.2433524		-0.9	
Ethylbenzene	A	10.0	10.9	1.760677	1.925684		9.4	
Hexachlorobutadiene	A	10.0	11.2	0.2072355	0.2316274		11.8	
2-Hexanone (MBK)	A	100	105	0.1139797	0.1199556		5.2	
Iodomethane	A	10.0	13.4	0.3812631	0.5110365		34.0	
Isopropylbenzene (Cumene)	A	10.0	10.7	1.744379	1.861856		6.7	
p-Isopropyltoluene (p-Cymene)	A	10.0	11.3	1.469487	1.666029		13.4	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.7	0.2306531	0.2475042		7.3	
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.73	0.703102	0.6843079		-2.7	
Methyl Cyclohexane	A	10.0	11.2	0.3318229	0.3703668		11.6	
Methylene Chloride	A	10.0	9.72	0.3681109	0.357945		-2.8	
4-Methyl-2-pentanone (MIBK)	A	100	99.8	0.1679712	0.1676582		-0.2	
Naphthalene	A	10.0	10.0	0.771276	0.7735024		0.3	
n-Propylbenzene	A	10.0	10.7	2.023007	2.16112		6.8	
Styrene	A	10.0	10.9	1.00575	1.094303		8.8	
1,1,1,2-Tetrachloroethane	A	10.0	11.1	0.3436871	0.382941		11.4	
1,1,2,2-Tetrachloroethane	A	10.0	10.8	0.3970277	0.4295891		8.2	
Tetrachloroethylene	A	10.0	10.4	0.2229981	0.2310536		3.6	
Tetrahydrofuran	A	10.0	9.60	7.719281E-02	7.410994E-02		-4.0	
Toluene	A	10.0	10.3	0.8432327	0.8720301		3.4	
1,2,3-Trichlorobenzene	A	10.0	10.7	0.2664118	0.2854044		7.1	
1,2,4-Trichlorobenzene	A	10.0	10.8	0.3606225	0.3889538		7.9	
1,3,5-Trichlorobenzene	A	10.0	11.3	0.4526021	0.5128841		13.3	
1,1,1-Trichloroethane	A	10.0	10.7	0.4099857	0.4380676		6.8	
1,1,2-Trichloroethane	A	10.0	10.5	0.1579222	0.1658597		5.0	
Trichloroethylene	A	10.0	10.6	0.2016221	0.21459		6.4	
Trichlorofluoromethane (Freon 11)	A	10.0	9.84	0.439477	0.4323621		-1.6	
1,2,3-Trichloropropane	A	10.0	11.0	0.304366	0.3347584		10.0	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.8	0.2881461	0.3111336		8.0	
1,2,3-Trimethylbenzene	A	10.0	10.8	1.37952	1.485161		7.7	
1,2,4-Trimethylbenzene	A	10.0	11.0	1.396902	1.529227		9.5	
1,3,5-Trimethylbenzene	A	10.0	11.0	1.283313	1.411956		10.0	
Vinyl Acetate	A	100	88.6	0.6095244	0.5402995		-11.4	
Vinyl Chloride	A	10.0	9.69	0.2174587	0.2107082		-3.1	
m+p Xylene	A	20.0	21.7	1.393248	1.514709		8.7	
o-Xylene	A	10.0	11.0	1.363976	1.494797		9.6	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V11026.D	Calibration Date:	01/04/22 07:35
Sequence:	S070630	Injection Date:	04/20/22
Lab Sample ID:	S070630-CCV1	Injection Time:	21:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	117	7.159683E-02	8.342398E-02		16.5	20	
Benzene	A	10.0	9.59	1.222011	1.172365		-4.1	20	
Bromochloromethane	A	10.0	11.0	0.2164615	0.2375726		9.8	20	
Bromodichloromethane	A	10.0	10.2	0.2476398	0.2513343		1.5	20	
Bromoform	A	10.0	11.8	0.2154443	0.2545013		18.1	20	
Bromomethane	A	10.0	11.5	0.1573628	0.1811751		15.1	20	
2-Butanone (MEK)	A	100	103	0.121202	0.1251302		3.2	20	
Carbon Disulfide	A	100	126	0.7967695	1.001527		25.7	20	*
Carbon Tetrachloride	A	10.0	10.8	0.3758494	0.4072082		8.3	20	
Chlorobenzene	A	10.0	10.2	1.046329	1.068509		2.1	20	
Chlorodibromomethane	A	10.0	11.0	0.1869851	0.2062156		10.3	20	
Chloroethane	A	10.0	13.6	0.1804872	0.2460395		36.3	20	*
Chloroform	A	10.0	11.1	0.5125747	0.569581		11.1	20	
Chloromethane	A	10.0	11.1	0.3417516	0.3788313		10.8	20	
Cyclohexane	A	10.0	8.36	0.5311212	0.4440039		-16.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.4	6.088938E-02	6.350589E-02		4.3	20	
1,2-Dibromoethane (EDB)	A	10.0	11.4	0.1626881	0.1848056		13.6	20	
1,2-Dichlorobenzene	A	10.0	9.55	0.7237142	0.6910616		-4.5	20	
1,3-Dichlorobenzene	A	10.0	9.49	0.807913	0.7664787		-5.1	20	
1,4-Dichlorobenzene	A	10.0	9.59	0.8249951	0.7911439		-4.1	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.2	0.388165	0.3945609		1.6	20	
1,1-Dichloroethane	A	10.0	9.90	0.5225156	0.5171328		-1.0	20	
1,2-Dichloroethane	A	10.0	9.52	0.257927	0.2454936		-4.8	20	
1,1-Dichloroethylene	A	10.0	12.0	0.4222399	0.5072596		20.1	20	*
cis-1,2-Dichloroethylene	A	10.0	10.3	0.4139672	0.4271857		3.2	20	
trans-1,2-Dichloroethylene	A	10.0	9.41	0.4209055	0.3958902		-5.9	20	
1,2-Dichloropropane	A	10.0	9.04	0.2033845	0.1838351		-9.6	20	
cis-1,3-Dichloropropene	A	10.0	8.53	0.3065878	0.2614692		-14.7	20	
trans-1,3-Dichloropropene	A	10.0	9.25	0.2426863	0.2244899		-7.5	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V11026.D	Calibration Date:	01/04/22 07:35
Sequence:	S070630	Injection Date:	04/20/22
Lab Sample ID:	S070630-CCV1	Injection Time:	21:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	93.0	2.088244E-03	1.942066E-03		-7.0	20	
Ethylbenzene	A	10.0	9.71	1.760677	1.709631		-2.9	20	
2-Hexanone (MBK)	A	100	98.4	0.1139797	0.1121667		-1.6	20	
Isopropylbenzene (Cumene)	A	10.0	9.74	1.744379	1.698665		-2.6	20	
Methyl Acetate	A	10.0	13.1	0.2306531	0.3025815		31.2	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.41	0.703102	0.6617049		-5.9	20	
Methyl Cyclohexane	A	10.0	8.13	0.3318229	0.2696936		-18.7	20	
Methylene Chloride	A	10.0	11.7	0.3681109	0.4302007		16.9	20	
4-Methyl-2-pentanone (MIBK)	A	100	95.9	0.1679712	0.1611375		-4.1	20	
Styrene	A	10.0	9.95	1.00575	1.000479		-0.5	20	
1,1,2,2-Tetrachloroethane	A	10.0	10.9	0.3970277	0.4313981		8.7	20	
Tetrachloroethylene	A	10.0	9.81	0.2229981	0.2187887		-1.9	20	
Toluene	A	10.0	9.94	0.8432327	0.838515		-0.6	20	
1,2,3-Trichlorobenzene	A	10.0	8.54	0.2664118	0.2274433		-14.6	20	
1,2,4-Trichlorobenzene	A	10.0	8.18	0.3606225	0.295032		-18.2	20	
1,1,1-Trichloroethane	A	10.0	10.9	0.4099857	0.4471536		9.1	20	
1,1,2-Trichloroethane	A	10.0	10.7	0.1579222	0.1691696		7.1	20	
Trichloroethylene	A	10.0	10.1	0.2016221	0.2035712		1.0	20	
Trichlorofluoromethane (Freon 11)	A	10.0	12.0	0.439477	0.5292021		20.4	20	*
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.8	0.2881461	0.3127244		8.5	20	
Vinyl Chloride	A	10.0	8.18	0.2174587	0.1779868		-18.2	20	
m+p Xylene	A	20.0	19.4	1.393248	1.347834		-3.3	20	
o-Xylene	A	10.0	9.82	1.363976	1.339378		-1.8	20	
1,2-Dichloroethane-d4	A	25.0	26.4	0.4950766	0.5230836		5.7		
Toluene-d8	A	25.0	24.8	1.190889	1.180638		-0.9		
4-Bromofluorobenzene	A	25.0	25.5	0.8597184	0.8778233		2.1		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V11107.D	Calibration Date:	01/04/22 07:35
Sequence:	S070748	Injection Date:	04/21/22
Lab Sample ID:	S070748-CCV1	Injection Time:	09:20

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	120	7.159683E-02	8.576768E-02		19.8	20	
Benzene	A	10.0	9.65	1.222011	1.1787		-3.5	20	
Bromochloromethane	A	10.0	10.8	0.2164615	0.2342787		8.2	20	
Bromodichloromethane	A	10.0	10.4	0.2476398	0.2585417		4.4	20	
Bromoform	A	10.0	12.4	0.2154443	0.2665704		23.7	20	*
Bromomethane	A	10.0	10.7	0.1573628	0.1685018		7.1	20	
2-Butanone (MEK)	A	100	102	0.121202	0.1231797		1.6	20	
Carbon Disulfide	A	100	134	0.7967695	1.064973		33.7	20	*
Carbon Tetrachloride	A	10.0	11.3	0.3758494	0.4237477		12.7	20	
Chlorobenzene	A	10.0	10.4	1.046329	1.092247		4.4	20	
Chlorodibromomethane	A	10.0	11.0	0.1869851	0.2064865		10.4	20	
Chloroethane	A	10.0	13.7	0.1804872	0.2470077		36.9	20	*
Chloroform	A	10.0	10.9	0.5125747	0.5565208		8.6	20	
Chloromethane	A	10.0	10.2	0.3417516	0.3491676		2.2	20	
Cyclohexane	A	10.0	8.69	0.5311212	0.4616376		-13.1	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.7	6.088938E-02	6.493524E-02		6.6	20	
1,2-Dibromoethane (EDB)	A	10.0	11.4	0.1626881	0.1853227		13.9	20	
1,2-Dichlorobenzene	A	10.0	9.95	0.7237142	0.7198557		-0.5	20	
1,3-Dichlorobenzene	A	10.0	10.0	0.807913	0.8107624		0.4	20	
1,4-Dichlorobenzene	A	10.0	9.85	0.8249951	0.8125658		-1.5	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	11.1	0.388165	0.4307666		11.0	20	
1,1-Dichloroethane	A	10.0	9.88	0.5225156	0.5164103		-1.2	20	
1,2-Dichloroethane	A	10.0	10.3	0.257927	0.2649247		2.7	20	
1,1-Dichloroethylene	A	10.0	12.0	0.4222399	0.5073592		20.2	20	*
cis-1,2-Dichloroethylene	A	10.0	9.99	0.4139672	0.4133979		-0.1	20	
trans-1,2-Dichloroethylene	A	10.0	11.8	0.4209055	0.4958098		17.8	20	
1,2-Dichloropropane	A	10.0	9.46	0.2033845	0.1923838		-5.4	20	
cis-1,3-Dichloropropene	A	10.0	9.23	0.3065878	0.282835		-7.7	20	
trans-1,3-Dichloropropene	A	10.0	9.53	0.2426863	0.2313861		-4.7	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V11107.D	Calibration Date:	01/04/22 07:35
Sequence:	S070748	Injection Date:	04/21/22
Lab Sample ID:	S070748-CCV1	Injection Time:	09:20

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	101	2.088244E-03	2.100072E-03		0.6	20	
Ethylbenzene	A	10.0	10.1	1.760677	1.782984		1.3	20	
2-Hexanone (MBK)	A	100	103	0.1139797	0.1171972		2.8	20	
Isopropylbenzene (Cumene)	A	10.0	10.3	1.744379	1.792798		2.8	20	
Methyl Acetate	A	10.0	13.2	0.2306531	0.3036839		31.7	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.94	0.703102	0.6989399		-0.6	20	
Methyl Cyclohexane	A	10.0	9.27	0.3318229	0.3077542		-7.3	20	
Methylene Chloride	A	10.0	12.0	0.3681109	0.4431487		20.4	20	*
4-Methyl-2-pentanone (MIBK)	A	100	102	0.1679712	0.1716113		2.2	20	
Styrene	A	10.0	10.4	1.00575	1.048775		4.3	20	
1,1,2,2-Tetrachloroethane	A	10.0	11.6	0.3970277	0.461505		16.2	20	
Tetrachloroethylene	A	10.0	10.5	0.2229981	0.2351481		5.4	20	
Toluene	A	10.0	10.1	0.8432327	0.8478855		0.6	20	
1,2,3-Trichlorobenzene	A	10.0	9.62	0.2664118	0.2562658		-3.8	20	
1,2,4-Trichlorobenzene	A	10.0	9.27	0.3606225	0.3344171		-7.3	20	
1,1,1-Trichloroethane	A	10.0	11.2	0.4099857	0.4580984		11.7	20	
1,1,2-Trichloroethane	A	10.0	11.1	0.1579222	0.174617		10.6	20	
Trichloroethylene	A	10.0	10.4	0.2016221	0.2091466		3.7	20	
Trichlorofluoromethane (Freon 11)	A	10.0	12.5	0.439477	0.5479753		24.7	20	*
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	12.0	0.2881461	0.346253		20.2	20	*
Vinyl Chloride	A	10.0	8.05	0.2174587	0.1749754		-19.5	20	
m+p Xylene	A	20.0	20.3	1.393248	1.416787		1.7	20	
o-Xylene	A	10.0	10.2	1.363976	1.393013		2.1	20	
1,2-Dichloroethane-d4	A	25.0	26.2	0.4950766	0.5191128		4.9		
Toluene-d8	A	25.0	24.4	1.190889	1.162411		-2.4		
4-Bromofluorobenzene	A	25.0	26.2	0.8597184	0.901757		4.9		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V11507.D	Calibration Date:	01/04/22 07:35
Sequence:	S070819	Injection Date:	04/25/22
Lab Sample ID:	S070819-CCV1	Injection Time:	09:20

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	105	7.159683E-02	7.517707E-02		5.0	20	
Benzene	A	10.0	8.91	1.222011	1.088283		-10.9	20	
Bromochloromethane	A	10.0	9.92	0.2164615	0.2148078		-0.8	20	
Bromodichloromethane	A	10.0	10.2	0.2476398	0.2538723		2.5	20	
Bromoform	A	10.0	13.0	0.2154443	0.2809046		30.4	20	*
Bromomethane	A	10.0	11.3	0.1573628	0.1775473		12.8	20	
2-Butanone (MEK)	A	100	88.2	0.121202	0.1068734		-11.8	20	
Carbon Disulfide	A	100	122	0.7967695	0.9686118		21.6	20	*
Carbon Tetrachloride	A	10.0	10.9	0.3758494	0.4082019		8.6	20	
Chlorobenzene	A	10.0	10.9	1.046329	1.143657		9.3	20	
Chlorodibromomethane	A	10.0	10.6	0.1869851	0.1979878		5.9	20	
Chloroethane	A	10.0	12.0	0.1804872	0.2164892		19.9	20	
Chloroform	A	10.0	9.96	0.5125747	0.5107228		-0.4	20	
Chloromethane	A	10.0	6.46	0.3417516	0.2208364		-35.4	20	*
Cyclohexane	A	10.0	7.88	0.5311212	0.418691		-21.2	20	*
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.7	6.088938E-02	6.504715E-02		6.8	20	
1,2-Dibromoethane (EDB)	A	10.0	10.7	0.1626881	0.1740514		7.0	20	
1,2-Dichlorobenzene	A	10.0	10.2	0.7237142	0.7420833		2.5	20	
1,3-Dichlorobenzene	A	10.0	10.3	0.807913	0.8287909		2.6	20	
1,4-Dichlorobenzene	A	10.0	10.4	0.8249951	0.8592447		4.2	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.0	0.388165	0.3898025		0.4	20	
1,1-Dichloroethane	A	10.0	10.2	0.5225156	0.5346455		2.3	20	
1,2-Dichloroethane	A	10.0	9.37	0.257927	0.2417851		-6.3	20	
1,1-Dichloroethylene	A	10.0	11.1	0.4222399	0.4690367		11.1	20	
cis-1,2-Dichloroethylene	A	10.0	9.04	0.4139672	0.3741212		-9.6	20	
trans-1,2-Dichloroethylene	A	10.0	10.5	0.4209055	0.4429796		5.2	20	
1,2-Dichloropropane	A	10.0	8.52	0.2033845	0.1732792		-14.8	20	
cis-1,3-Dichloropropene	A	10.0	9.02	0.3065878	0.2765722		-9.8	20	
trans-1,3-Dichloropropene	A	10.0	9.33	0.2426863	0.2265048		-6.7	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V11507.D	Calibration Date:	01/04/22 07:35
Sequence:	S070819	Injection Date:	04/25/22
Lab Sample ID:	S070819-CCV1	Injection Time:	09:20

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	91.7	2.088244E-03	1.915262E-03		-8.3	20
Ethylbenzene	A	10.0	10.4	1.760677	1.823163		3.5	20
2-Hexanone (MBK)	A	100	89.0	0.1139797	0.1014113		-11.0	20
Isopropylbenzene (Cumene)	A	10.0	10.4	1.744379	1.811054		3.8	20
Methyl Acetate	A	10.0	11.1	0.2306531	0.2555182		10.8	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.7	0.703102	0.7500022		6.7	20
Methyl Cyclohexane	A	10.0	8.89	0.3318229	0.2951152		-11.1	20
Methylene Chloride	A	10.0	10.8	0.3681109	0.3994901		8.5	20
4-Methyl-2-pentanone (MIBK)	A	100	88.7	0.1679712	0.1489504		-11.3	20
Styrene	A	10.0	10.7	1.00575	1.07458		6.8	20
1,1,2,2-Tetrachloroethane	A	10.0	11.1	0.3970277	0.4393914		10.7	20
Tetrachloroethylene	A	10.0	10.3	0.2229981	0.2296979		3.0	20
Toluene	A	10.0	9.44	0.8432327	0.7961137		-5.6	20
1,2,3-Trichlorobenzene	A	10.0	10.2	0.2664118	0.2729766		2.5	20
1,2,4-Trichlorobenzene	A	10.0	9.67	0.3606225	0.3485573		-3.3	20
1,1,1-Trichloroethane	A	10.0	10.7	0.4099857	0.4384233		6.9	20
1,1,2-Trichloroethane	A	10.0	10.2	0.1579222	0.1609714		1.9	20
Trichloroethylene	A	10.0	9.85	0.2016221	0.1986845		-1.5	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.6	0.439477	0.5101653		16.1	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.7	0.2881461	0.3088434		7.2	20
Vinyl Chloride	A	10.0	8.14	0.2174587	0.1771117		-18.6	20
m+p Xylene	A	20.0	20.8	1.393248	1.448159		3.9	20
o-Xylene	A	10.0	10.2	1.363976	1.394811		2.3	20
1,2-Dichloroethane-d4	A	25.0	26.9	0.4950766	0.5322306		7.5	
Toluene-d8	A	25.0	24.2	1.190889	1.153381		-3.1	
4-Bromofluorobenzene	A	25.0	25.0	0.8597184	0.8595116		-0.02	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Pa	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Instrument:	GCMSSV4

	2,4,6-TBP (15% - 110%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (15% - 110%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (15% - 110%)	Terphnyl-d14 (30% - 130%)
22D1346-09	92.6	77.6	48.9	74.1	35.0	82.6
B306496-BLK1	114*	97.2	53.6	95.3	37.6	93.5
B306496-BS1	92.3	84.3	46.4	77.4	32.6	80.0
B306496-BSD1	91.6	83.5	46.3	78.2	33.0	76.3
B306496-MS1	85.2	70.9	41.9	62.9	30.5	76.0
B306496-MSD1	91.3	78.0	47.8	71.2	34.9	81.4

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MCLN-MW-01

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B306496	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B306496-MS1
Initial/Final:	980 mL / 1 mL	Sample Lab ID:	22D1346-09
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Atrazine	51.0	ND	43.2	84.7		40 - 140
Benzaldehyde	51.0	ND	28.3	55.6		40 - 140
Biphenyl	51.0	ND	35.0	68.7		40 - 140
Caprolactam	51.0	ND	13.9	27.2	*	40 - 140
Acenaphthene	51.0	ND	31.1	61.0		40 - 140
Acenaphthylene	51.0	ND	34.0	66.6		40 - 140
Acetophenone	51.0	ND	31.3	61.3		40 - 140
Anthracene	51.0	ND	36.9	72.3		40 - 140
Benzo(a)anthracene	51.0	ND	37.3	73.1		40 - 140
Benzo(a)pyrene	51.0	ND	41.6	81.5		40 - 140
Benzo(b)fluoranthene	51.0	ND	38.6	75.7		40 - 140
Benzo(g,h,i)perylene	51.0	ND	38.7	75.8		40 - 140
Benzo(k)fluoranthene	51.0	ND	40.9	80.2		40 - 140
Bis(2-chloroethoxy)methane	51.0	ND	31.4	61.6		40 - 140
Bis(2-chloroethyl)ether	51.0	ND	25.0	49.0		40 - 140
Bis(2-chloroisopropyl)ether	51.0	ND	26.0	51.0		40 - 140
Bis(2-Ethylhexyl)phthalate	51.0	ND	33.1	65.0		40 - 140
4-Bromophenylphenylether	51.0	ND	36.6	71.7		40 - 140
Butylbenzylphthalate	51.0	ND	32.8	64.4		40 - 140
Carbazole	51.0	ND	37.4	73.2		40 - 140
4-Chloroaniline	51.0	ND	22.1	43.4		40 - 140
4-Chloro-3-methylphenol	51.0	ND	33.9	66.5		30 - 130
2-Chloronaphthalene	51.0	ND	31.9	62.5		40 - 140
2-Chlorophenol	51.0	ND	28.2	55.2		30 - 130
4-Chlorophenylphenylether	51.0	ND	37.2	72.8		40 - 140
Chrysene	51.0	ND	36.4	71.4		40 - 140
Dibenz(a,h)anthracene	51.0	ND	37.7	73.9		40 - 140
Dibenzofuran	51.0	ND	37.9	74.4		40 - 140
Di-n-butylphthalate	51.0	ND	35.2	69.0		40 - 140
3,3-Dichlorobenzidine	51.0	ND	23.4	45.9		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MCLN-MW-01

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B306496	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B306496-MS1
Initial/Final:	980 mL / 1 mL	Sample Lab ID:	22D1346-09
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
2,4-Dichlorophenol	51.0	ND	34.2	67.0		30 - 130
Diethylphthalate	51.0	ND	36.4	71.4		40 - 140
2,4-Dimethylphenol	51.0	ND	29.4	57.5		30 - 130
Dimethylphthalate	51.0	ND	35.8	70.1		40 - 140
4,6-Dinitro-2-methylphenol	51.0	ND	36.3	71.2		30 - 130
2,4-Dinitrophenol	51.0	ND	33.3	65.3		30 - 130
2,4-Dinitrotoluene	51.0	ND	40.0	78.4		40 - 140
2,6-Dinitrotoluene	51.0	ND	39.6	77.6		40 - 140
Di-n-octylphthalate	51.0	ND	32.5	63.6		40 - 140
Fluoranthene	51.0	ND	37.3	73.1		40 - 140
Fluorene	51.0	ND	36.7	71.9		40 - 140
Hexachlorobenzene	51.0	ND	38.4	75.3		40 - 140
Hexachlorobutadiene	51.0	ND	23.1	45.2		40 - 140
Hexachlorocyclopentadiene	51.0	ND	23.7	46.5		30 - 130
Hexachloroethane	51.0	ND	14.6	28.6	*	40 - 140
Indeno(1,2,3-cd)pyrene	51.0	ND	37.5	73.4		40 - 140
Isophorone	51.0	ND	35.3	69.1		40 - 140
2-Methylnaphthalene	51.0	ND	33.7	66.0		40 - 140
2-Methylphenol	51.0	ND	29.1	57.0		30 - 130
3/4-Methylphenol	51.0	ND	28.3	55.5		30 - 130
Naphthalene	51.0	ND	27.1	53.0		40 - 140
2-Nitroaniline	51.0	ND	33.2	65.0		40 - 140
3-Nitroaniline	51.0	ND	26.4	51.8		40 - 140
4-Nitroaniline	51.0	ND	37.4	73.2		40 - 140
Nitrobenzene	51.0	ND	29.3	57.5		40 - 140
2-Nitrophenol	51.0	ND	30.5	59.9		30 - 130
4-Nitrophenol	51.0	ND	22.8	44.8		30 - 130
N-Nitrosodiphenylamine/Diphenylamine	51.0	ND	37.9	74.2		40 - 140
N-Nitrosodi-n-propylamine	51.0	ND	30.4	59.5		40 - 140
Pentachlorophenol	51.0	ND	34.1	66.9		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MCLN-MW-01

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B306496	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B306496-MSD1
Initial/Final:	960 mL / 1 mL	Sample Lab ID:	22D1346-09
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	52.1	47.1	90.4		8.61	30	40 - 140
Benzaldehyde	52.1	32.7	62.8		14.3	30	40 - 140
Biphenyl	52.1	40.4	77.5		14.1	30	40 - 140
Caprolactam	52.1	15.9	30.5	*	13.5	30	40 - 140
Acenaphthene	52.1	35.7	68.5		13.6	30	40 - 140
Acenaphthylene	52.1	38.7	74.2		12.9	30	40 - 140
Acetophenone	52.1	36.4	69.9		15.1	30	40 - 140
Anthracene	52.1	40.7	78.2		9.90	30	40 - 140
Benzo(a)anthracene	52.1	41.4	79.6		10.5	30	40 - 140
Benzo(a)pyrene	52.1	45.7	87.7		9.41	30	40 - 140
Benzo(b)fluoranthene	52.1	42.6	81.9		9.95	30	40 - 140
Benzo(g,h,i)perylene	52.1	42.1	80.7		8.34	30	40 - 140
Benzo(k)fluoranthene	52.1	45.0	86.3		9.41	30	40 - 140
Bis(2-chloroethoxy)methane	52.1	36.8	70.6		15.8	30	40 - 140
Bis(2-chloroethyl)ether	52.1	30.2	58.0		18.9	30	40 - 140
Bis(2-chloroisopropyl)ether	52.1	32.0	61.4		20.5	30	40 - 140
Bis(2-Ethylhexyl)phthalate	52.1	36.6	70.3		9.90	30	40 - 140
4-Bromophenylphenylether	52.1	39.9	76.6		8.75	30	40 - 140
Butylbenzylphthalate	52.1	36.2	69.5		9.71	30	40 - 140
Carbazole	52.1	41.4	79.5		10.2	30	40 - 140
4-Chloroaniline	52.1	29.4	56.4		28.0	30	40 - 140
4-Chloro-3-methylphenol	52.1	38.3	73.5		12.0	30	30 - 130
2-Chloronaphthalene	52.1	36.4	69.8		13.1	30	40 - 140
2-Chlorophenol	52.1	33.4	64.1		17.0	30	30 - 130
4-Chlorophenylphenylether	52.1	40.8	78.2		9.23	30	40 - 140
Chrysene	52.1	40.5	77.8		10.6	30	40 - 140
Dibenz(a,h)anthracene	52.1	41.5	79.7		9.66	30	40 - 140
Dibenzofuran	52.1	42.7	82.0		11.8	30	40 - 140
Di-n-butylphthalate	52.1	38.6	74.2		9.24	30	40 - 140
3,3-Dichlorobenzidine	52.1	25.8	49.5		9.52	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MCLN-MW-01

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B306496	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B306496-MSD1
Initial/Final:	960 mL / 1 mL	Sample Lab ID:	22D1346-09
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD		QC LIMITS RPD	QC LIMITS REC.
2,4-Dichlorophenol	52.1	38.9	74.7	12.9		30	30 - 130
Diethylphthalate	52.1	40.5	77.8	10.6		30	40 - 140
2,4-Dimethylphenol	52.1	30.7	59.0	4.50		30	30 - 130
Dimethylphthalate	52.1	39.9	76.7	11.1		30	40 - 140
4,6-Dinitro-2-methylphenol	52.1	41.5	79.7	13.4		30	30 - 130
2,4-Dinitrophenol	52.1	39.1	75.1	16.1		30	30 - 130
2,4-Dinitrotoluene	52.1	44.5	85.5	10.7		30	40 - 140
2,6-Dinitrotoluene	52.1	44.4	85.3	11.6		30	40 - 140
Di-n-octylphthalate	52.1	35.9	69.0	10.1		30	40 - 140
Fluoranthene	52.1	41.9	80.5	11.7		30	40 - 140
Fluorene	52.1	41.4	79.4	11.9		30	40 - 140
Hexachlorobenzene	52.1	42.4	81.4	9.79		30	40 - 140
Hexachlorobutadiene	52.1	33.0	63.4	35.6	*	30	40 - 140
Hexachlorocyclopentadiene	52.1	30.1	57.9	23.9		30	30 - 130
Hexachloroethane	52.1	24.0	46.1	49.0	*	30	40 - 140
Indeno(1,2,3-cd)pyrene	52.1	41.6	79.9	10.5		30	40 - 140
Isophorone	52.1	40.8	78.3	14.6		30	40 - 140
2-Methylnaphthalene	52.1	40.3	77.4	17.9		30	40 - 140
2-Methylphenol	52.1	34.1	65.4	15.8		30	30 - 130
3/4-Methylphenol	52.1	32.5	62.5	13.9		30	30 - 130
Naphthalene	52.1	33.9	65.0	22.3		30	40 - 140
2-Nitroaniline	52.1	37.8	72.5	12.9		30	40 - 140
3-Nitroaniline	52.1	31.8	61.0	18.2		30	40 - 140
4-Nitroaniline	52.1	42.0	80.7	11.7		30	40 - 140
Nitrobenzene	52.1	35.1	67.3	17.7		30	40 - 140
2-Nitrophenol	52.1	36.0	69.1	16.3		30	30 - 130
4-Nitrophenol	52.1	25.9	49.8	12.8		30	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	52.1	41.8	80.3	9.85		30	40 - 140
N-Nitrosodi-n-propylamine	52.1	36.3	69.7	17.7		30	40 - 140
Pentachlorophenol	52.1	37.0	71.0	8.03		30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B306237	Laboratory ID:	B306237-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	47.4	94.8		40 - 140
Benzaldehyde	50.0	37.9	75.8		40 - 140
Biphenyl	50.0	40.8	81.6		40 - 140
Caprolactam	50.0	14.6	29.3	*	40 - 140
Acenaphthene	50.0	39.6	79.1		40 - 140
Acenaphthylene	50.0	39.7	79.5		40 - 140
Acetophenone	50.0	39.6	79.2		40 - 140
Anthracene	50.0	38.9	77.9		40 - 140
Benzo(a)anthracene	50.0	36.6	73.2		40 - 140
Benzo(a)pyrene	50.0	40.9	81.7		40 - 140
Benzo(b)fluoranthene	50.0	37.6	75.1		40 - 140
Benzo(g,h,i)perylene	50.0	41.6	83.2		40 - 140
Benzo(k)fluoranthene	50.0	40.8	81.7		40 - 140
Bis(2-chloroethoxy)methane	50.0	37.7	75.3		40 - 140
Bis(2-chloroethyl)ether	50.0	31.6	63.2		40 - 140
Bis(2-chloroisopropyl)ether	50.0	32.8	65.7		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	32.1	64.2		40 - 140
4-Bromophenylphenylether	50.0	37.5	75.0		40 - 140
Butylbenzylphthalate	50.0	31.5	63.0		40 - 140
Carbazole	50.0	39.5	79.1		40 - 140
4-Chloroaniline	50.0	36.8	73.6		40 - 140
4-Chloro-3-methylphenol	50.0	40.3	80.6		30 - 130
2-Chloronaphthalene	50.0	35.7	71.4		40 - 140
2-Chlorophenol	50.0	34.6	69.2		30 - 130
4-Chlorophenylphenylether	50.0	41.5	83.0		40 - 140
Chrysene	50.0	35.8	71.7		40 - 140
Dibenz(a,h)anthracene	50.0	39.1	78.2		40 - 140
Dibenzofuran	50.0	43.5	87.0		40 - 140
Di-n-butylphthalate	50.0	36.6	73.1		40 - 140
3,3-Dichlorobenzidine	50.0	37.7	75.4		40 - 140
2,4-Dichlorophenol	50.0	40.7	81.5		30 - 130
Diethylphthalate	50.0	40.1	80.1		40 - 140
2,4-Dimethylphenol	50.0	36.7	73.4		30 - 130
Dimethylphthalate	50.0	38.9	77.9		40 - 140
4,6-Dinitro-2-methylphenol	50.0	38.3	76.6		30 - 130
2,4-Dinitrophenol	50.0	39.1	78.1		30 - 130
2,4-Dinitrotoluene	50.0	44.5	89.0		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B306237	Laboratory ID:	B306237-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,6-Dinitrotoluene	50.0	44.2	88.3	40 - 140
Di-n-octylphthalate	50.0	31.3	62.7	40 - 140
Fluoranthene	50.0	41.0	82.1	40 - 140
Fluorene	50.0	42.2	84.5	40 - 140
Hexachlorobenzene	50.0	40.6	81.3	40 - 140
Hexachlorobutadiene	50.0	38.9	77.8	40 - 140
Hexachlorocyclopentadiene	50.0	32.8	65.6	30 - 140
Hexachloroethane	50.0	32.3	64.6	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	39.3	78.7	40 - 140
Isophorone	50.0	43.1	86.2	40 - 140
2-Methylnaphthalene	50.0	44.0	88.0	40 - 140
2-Methylphenol	50.0	34.8	69.7	30 - 130
3/4-Methylphenol	50.0	34.2	68.4	30 - 130
Naphthalene	50.0	37.8	75.7	40 - 140
2-Nitroaniline	50.0	38.6	77.3	40 - 140
3-Nitroaniline	50.0	36.1	72.2	40 - 140
4-Nitroaniline	50.0	42.9	85.8	40 - 140
Nitrobenzene	50.0	36.7	73.3	40 - 140
2-Nitrophenol	50.0	37.8	75.6	30 - 130
4-Nitrophenol	50.0	25.6	51.3	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	39.2	78.3	40 - 140
N-Nitrosodi-n-propylamine	50.0	38.8	77.6	40 - 140
Pentachlorophenol	50.0	35.4	70.7	30 - 130
Phenanthrene	50.0	39.0	77.9	40 - 140
Phenol	50.0	16.6	33.1	20 - 130
Pyrene	50.0	35.7	71.5	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	39.7	79.4	40 - 140
2,4,5-Trichlorophenol	50.0	44.8	89.7	30 - 130
2,4,6-Trichlorophenol	50.0	42.6	85.2	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	50.0	48.0	96.0		1.28	20	40 - 140
Benzaldehyde	50.0	38.4	76.8		1.26	20	40 - 140
Biphenyl	50.0	41.7	83.4		2.21	20	40 - 140
Caprolactam	50.0	13.9	27.8	*	5.26	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B306496	Laboratory ID:	B306496-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	45.6	91.3		40 - 140
Benzaldehyde	50.0	35.3	70.7		40 - 140
Biphenyl	50.0	40.7	81.4		40 - 140
Caprolactam	50.0	12.8	25.5	*	40 - 140
Acenaphthene	50.0	38.5	77.0		40 - 140
Acenaphthylene	50.0	39.1	78.1		40 - 140
Acetophenone	50.0	36.5	73.0		40 - 140
Anthracene	50.0	40.0	80.0		40 - 140
Benzo(a)anthracene	50.0	40.4	80.8		40 - 140
Benzo(a)pyrene	50.0	43.2	86.5		40 - 140
Benzo(b)fluoranthene	50.0	40.3	80.5		40 - 140
Benzo(g,h,i)perylene	50.0	42.0	84.1		40 - 140
Benzo(k)fluoranthene	50.0	43.1	86.2		40 - 140
Bis(2-chloroethoxy)methane	50.0	35.9	71.7		40 - 140
Bis(2-chloroethyl)ether	50.0	30.3	60.6		40 - 140
Bis(2-chloroisopropyl)ether	50.0	32.4	64.8		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	38.5	77.0		40 - 140
4-Bromophenylphenylether	50.0	37.5	75.0		40 - 140
Butylbenzylphthalate	50.0	35.9	71.8		40 - 140
Carbazole	50.0	40.8	81.7		40 - 140
4-Chloroaniline	50.0	37.6	75.3		40 - 140
4-Chloro-3-methylphenol	50.0	36.4	72.8		30 - 130
2-Chloronaphthalene	50.0	35.9	71.8		40 - 140
2-Chlorophenol	50.0	31.4	62.7		30 - 130
4-Chlorophenylphenylether	50.0	39.5	79.1		40 - 140
Chrysene	50.0	39.4	78.8		40 - 140
Dibenz(a,h)anthracene	50.0	40.4	80.9		40 - 140
Dibenzofuran	50.0	42.4	84.8		40 - 140
Di-n-butylphthalate	50.0	38.2	76.3		40 - 140
3,3-Dichlorobenzidine	50.0	42.9	85.9		40 - 140
2,4-Dichlorophenol	50.0	36.9	73.7		30 - 130
Diethylphthalate	50.0	38.5	77.0		40 - 140
2,4-Dimethylphenol	50.0	35.6	71.1		30 - 130
Dimethylphthalate	50.0	37.3	74.7		40 - 140
4,6-Dinitro-2-methylphenol	50.0	38.1	76.2		30 - 130
2,4-Dinitrophenol	50.0	35.8	71.6		30 - 130
2,4-Dinitrotoluene	50.0	42.8	85.6		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B306496	Laboratory ID:	B306496-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,6-Dinitrotoluene	50.0	42.2	84.5	40 - 140
Di-n-octylphthalate	50.0	36.5	72.9	40 - 140
Fluoranthene	50.0	41.6	83.3	40 - 140
Fluorene	50.0	40.8	81.6	40 - 140
Hexachlorobenzene	50.0	39.9	79.8	40 - 140
Hexachlorobutadiene	50.0	38.1	76.2	40 - 140
Hexachlorocyclopentadiene	50.0	33.6	67.1	30 - 140
Hexachloroethane	50.0	31.8	63.6	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	40.6	81.2	40 - 140
Isophorone	50.0	40.0	79.9	40 - 140
2-Methylnaphthalene	50.0	41.2	82.4	40 - 140
2-Methylphenol	50.0	30.8	61.7	30 - 130
3/4-Methylphenol	50.0	30.4	60.7	30 - 130
Naphthalene	50.0	36.8	73.5	40 - 140
2-Nitroaniline	50.0	38.1	76.2	40 - 140
3-Nitroaniline	50.0	37.8	75.6	40 - 140
4-Nitroaniline	50.0	41.6	83.3	40 - 140
Nitrobenzene	50.0	36.2	72.5	40 - 140
2-Nitrophenol	50.0	36.5	73.0	30 - 130
4-Nitrophenol	50.0	20.0	40.0	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	40.5	80.9	40 - 140
N-Nitrosodi-n-propylamine	50.0	34.8	69.7	40 - 140
Pentachlorophenol	50.0	36.0	72.0	30 - 130
Phenanthrene	50.0	39.8	79.7	40 - 140
Phenol	50.0	14.5	29.1	20 - 130
Pyrene	50.0	38.6	77.2	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	40.0	80.1	40 - 140
2,4,5-Trichlorophenol	50.0	43.3	86.5	30 - 130
2,4,6-Trichlorophenol	50.0	40.5	81.0	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	50.0	45.2	90.3		1.10	20	40 - 140
Benzaldehyde	50.0	36.4	72.8		2.98	20	40 - 140
Biphenyl	50.0	40.9	81.8		0.417	20	40 - 140
Caprolactam	50.0	13.6	27.2	*	6.15	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B306642	Laboratory ID:	B306642-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	44.4	88.7		40 - 140
Benzaldehyde	50.0	26.8	53.5		40 - 140
Biphenyl	50.0	34.4	68.7		40 - 140
Caprolactam	50.0	12.4	24.7	*	40 - 140
Acenaphthene	50.0	30.7	61.4		40 - 140
Acenaphthylene	50.0	31.9	63.8		40 - 140
Acetophenone	50.0	30.3	60.7		40 - 140
Anthracene	50.0	35.4	70.7		40 - 140
Benzo(a)anthracene	50.0	35.7	71.3		40 - 140
Benzo(a)pyrene	50.0	39.9	79.8		40 - 140
Benzo(b)fluoranthene	50.0	36.3	72.5		40 - 140
Benzo(g,h,i)perylene	50.0	39.5	79.1		40 - 140
Benzo(k)fluoranthene	50.0	39.8	79.5		40 - 140
Bis(2-chloroethoxy)methane	50.0	29.8	59.6		40 - 140
Bis(2-chloroethyl)ether	50.0	23.0	45.9		40 - 140
Bis(2-chloroisopropyl)ether	50.0	22.4	44.8		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	31.8	63.6		40 - 140
4-Bromophenylphenylether	50.0	34.5	68.9		40 - 140
Butylbenzylphthalate	50.0	31.4	62.7		40 - 140
Carbazole	50.0	35.7	71.4		40 - 140
4-Chloroaniline	50.0	36.8	73.6		40 - 140
4-Chloro-3-methylphenol	50.0	32.3	64.6		30 - 130
2-Chloronaphthalene	50.0	31.7	63.3		40 - 140
2-Chlorophenol	50.0	26.0	52.1		30 - 130
4-Chlorophenylphenylether	50.0	35.6	71.2		40 - 140
Chrysene	50.0	35.3	70.5		40 - 140
Dibenz(a,h)anthracene	50.0	38.7	77.5		40 - 140
Dibenzofuran	50.0	37.3	74.5		40 - 140
Di-n-butylphthalate	50.0	33.5	66.9		40 - 140
3,3-Dichlorobenzidine	50.0	39.3	78.6		40 - 140
2,4-Dichlorophenol	50.0	32.8	65.7		30 - 130
Diethylphthalate	50.0	35.4	70.9		40 - 140
2,4-Dimethylphenol	50.0	28.9	57.7		30 - 130
Dimethylphthalate	50.0	32.9	65.9		40 - 140
4,6-Dinitro-2-methylphenol	50.0	33.8	67.6		30 - 130
2,4-Dinitrophenol	50.0	34.0	67.9		30 - 130
2,4-Dinitrotoluene	50.0	39.2	78.3		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B306642	Laboratory ID:	B306642-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,6-Dinitrotoluene	50.0	37.9	75.8	40 - 140
Di-n-octylphthalate	50.0	29.9	59.9	40 - 140
Fluoranthene	50.0	35.8	71.6	40 - 140
Fluorene	50.0	35.8	71.7	40 - 140
Hexachlorobenzene	50.0	37.0	74.1	40 - 140
Hexachlorobutadiene	50.0	28.7	57.4	40 - 140
Hexachlorocyclopentadiene	50.0	24.6	49.2	30 - 140
Hexachloroethane	50.0	21.8	43.5	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	38.6	77.2	40 - 140
Isophorone	50.0	32.1	64.2	40 - 140
2-Methylnaphthalene	50.0	34.2	68.3	40 - 140
2-Methylphenol	50.0	27.8	55.5	30 - 130
3/4-Methylphenol	50.0	25.8	51.6	30 - 130
Naphthalene	50.0	28.9	57.8	40 - 140
2-Nitroaniline	50.0	30.6	61.3	40 - 140
3-Nitroaniline	50.0	34.6	69.2	40 - 140
4-Nitroaniline	50.0	37.4	74.8	40 - 140
Nitrobenzene	50.0	27.6	55.2	40 - 140
2-Nitrophenol	50.0	28.5	57.0	30 - 130
4-Nitrophenol	50.0	19.9	39.8	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	34.4	68.8	40 - 140
N-Nitrosodi-n-propylamine	50.0	29.4	58.8	40 - 140
Pentachlorophenol	50.0	30.4	60.9	30 - 130
Phenanthrene	50.0	35.0	70.0	40 - 140
Phenol	50.0	13.8	27.6	20 - 130
Pyrene	50.0	35.9	71.8	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	33.9	67.8	40 - 140
2,4,5-Trichlorophenol	50.0	39.7	79.5	30 - 130
2,4,6-Trichlorophenol	50.0	36.1	72.2	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	50.0	39.1	78.1		12.7	20	40 - 140
Benzaldehyde	50.0	24.4	48.8		9.19	20	40 - 140
Biphenyl	50.0	29.1	58.2		16.6	20	40 - 140
Caprolactam	50.0	11.8	23.5	*	5.14	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B306642	Laboratory ID:	B306642-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.0	26.1	52.2		16.2		20	40 - 140
Acenaphthylene	50.0	28.2	56.3		12.5		20	40 - 140
Acetophenone	50.0	26.1	52.2		15.0		20	40 - 140
Anthracene	50.0	32.5	65.0		8.40		20	40 - 140
Benzo(a)anthracene	50.0	33.7	67.5		5.56		20	40 - 140
Benzo(a)pyrene	50.0	36.9	73.7		7.92		20	40 - 140
Benzo(b)fluoranthene	50.0	34.5	69.0		5.03		20	40 - 140
Benzo(g,h,i)perylene	50.0	34.4	68.8		13.9		20	40 - 140
Benzo(k)fluoranthene	50.0	37.3	74.6		6.36		20	40 - 140
Bis(2-chloroethoxy)methane	50.0	24.0	48.1		21.4	*	20	40 - 140
Bis(2-chloroethyl)ether	50.0	19.2	38.5	*	17.5		20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	20.4	40.8		9.31		20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	28.7	57.5		10.1		20	40 - 140
4-Bromophenylphenylether	50.0	31.7	63.4		8.37		20	40 - 140
Butylbenzylphthalate	50.0	29.6	59.2		5.84		20	40 - 140
Carbazole	50.0	33.4	66.8		6.57		20	40 - 140
4-Chloroaniline	50.0	32.5	65.0		12.4		20	40 - 140
4-Chloro-3-methylphenol	50.0	30.6	61.2		5.44		20	30 - 130
2-Chloronaphthalene	50.0	24.8	49.6		24.4	*	20	40 - 140
2-Chlorophenol	50.0	23.1	46.3		11.8		20	30 - 130
4-Chlorophenylphenylether	50.0	31.2	62.4		13.2		20	40 - 140
Chrysene	50.0	33.3	66.6		5.75		20	40 - 140
Dibenz(a,h)anthracene	50.0	33.6	67.1		14.4		20	40 - 140
Dibenzofuran	50.0	32.1	64.2		14.8		20	40 - 140
Di-n-butylphthalate	50.0	30.4	60.7		9.74		20	40 - 140
3,3-Dichlorobenzidine	50.0	37.5	74.9		4.79		20	40 - 140
2,4-Dichlorophenol	50.0	28.6	57.2		13.8		20	30 - 130
Diethylphthalate	50.0	31.6	63.3		11.3		20	40 - 140
2,4-Dimethylphenol	50.0	25.9	51.7		11.0		20	30 - 130
Dimethylphthalate	50.0	30.5	61.0		7.73		50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	32.9	65.8		2.82		50	30 - 130
2,4-Dinitrophenol	50.0	29.2	58.5		14.9		50	30 - 130
2,4-Dinitrotoluene	50.0	35.3	70.6		10.4		20	40 - 140
2,6-Dinitrotoluene	50.0	34.0	67.9		10.9		20	40 - 140
Di-n-octylphthalate	50.0	28.8	57.7		3.74		20	40 - 140
Fluoranthene	50.0	32.5	65.0		9.67		20	40 - 140
Fluorene	50.0	31.4	62.9		13.1		20	40 - 140

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S094022.D	Calibration Date:	04/04/22 08:41
Sequence:	S070338	Injection Date:	04/04/22
Lab Sample ID:	S070338-ICV1	Injection Time:	17:23

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Biphenyl	A	50.0	46.7	1.613687	1.506242		-6.7		
Acenaphthene	A	50.0	41.7	1.372946	1.144974		-16.6	30	
Acenaphthylene	A	50.0	43.8	2.188014	1.919038		-12.3	30	
Acetophenone	A	50.0	48.8	2.27581	2.219346		-2.5	30	
Anthracene	A	50.0	44.4	1.249074	1.109295		-11.2	30	
Benzo(a)anthracene	A	50.0	43.8	1.543954	1.353027		-12.4	30	
Benzo(a)pyrene	A	50.0	47.0	1.308666	1.230838		-5.9	30	
Benzo(b)fluoranthene	A	50.0	43.1	1.509432	1.301116		-13.8	30	
Benzo(g,h,i)perylene	A	50.0	42.3	1.131917	0.9573551		-15.4	30	
Benzo(k)fluoranthene	A	50.0	45.4	1.329068	1.206338		-9.2	30	
Bis(2-chloroethoxy)methane	A	50.0	44.9	0.5181659	0.4657722		-10.1	30	
Bis(2-chloroethyl)ether	A	50.0	50.3	1.603576	1.613252		0.6	30	
Bis(2-chloroisopropyl)ether	A	50.0	55.5	2.989072	3.31677		11.0	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	44.4	1.229657	1.092489		-11.2	30	
4-Bromophenylphenylether	A	50.0	40.7	0.2243946	0.1825544		-18.6	30	
Butylbenzylphthalate	A	50.0	42.7	0.9513588	0.8129611		-14.5	30	
Carbazole	A	50.0	45.0	1.204311	1.083621		-10.0	30	
4-Chloroaniline	A	50.0	32.1	0.4167645	0.2672774		-35.9	30	*
4-Chloro-3-methylphenol	A	50.0	42.3	0.4023861	0.3403664		-15.4	30	
2-Chloronaphthalene	A	50.0	40.8	1.560881	1.274501		-18.3	30	
2-Chlorophenol	A	50.0	48.4	1.803142	1.746024		-3.2	30	
4-Chlorophenylphenylether	A	50.0	40.7	0.7253942	0.590583		-18.6	30	
Chrysene	A	50.0	43.0	1.422249	1.222881		-14.0	30	
Dibenz(a,h)anthracene	A	50.0	43.4	1.149626	0.9985174		-13.1	30	
Dibenzofuran	A	50.0	45.5	1.764101	1.60662		-8.9	30	
Di-n-butylphthalate	A	50.0	42.3	1.65418	1.400668		-15.3	30	
3,3-Dichlorobenzidine	A	50.0	35.4	0.526821	0.3726276		-29.3	30	
2,4-Dichlorophenol	A	50.0	42.2	0.3639342	0.3073885		-15.5	30	
Diethylphthalate	A	50.0	40.8	1.628092	1.328348		-18.4	30	
2,4-Dimethylphenol	A	50.0	42.4	0.3977545	0.3371349		-15.2	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S094022.D	Calibration Date:	04/04/22 08:41
Sequence:	S070338	Injection Date:	04/04/22
Lab Sample ID:	S070338-ICV1	Injection Time:	17:23

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Dimethylphthalate	A	50.0	39.5	1.646667	1.302262		-20.9	30
4,6-Dinitro-2-methylphenol	A	50.0	43.7	0.1491476	0.1303645		-12.6	30
2,4-Dinitrophenol	A	50.0	40.4	0.2184121	0.1763921		-19.2	30
2,4-Dinitrotoluene	A	50.0	43.2	0.4597808	0.3974517		-13.6	30
2,6-Dinitrotoluene	A	50.0	45.0	0.343774	0.3090889		-10.1	30
Di-n-octylphthalate	A	50.0	41.9	2.341219	1.960458		-16.3	30
Fluoranthene	A	50.0	43.6	1.326594	1.155978		-12.9	30
Fluorene	A	50.0	42.3	1.46524	1.238475		-15.5	30
Hexachlorobenzene	A	50.0	44.5	0.2393112	0.2128873		-11.0	30
Hexachlorobutadiene	A	50.0	44.4	0.1792408	0.1591696		-11.2	30
Hexachlorocyclopentadiene	A	50.0	48.2	0.3446344	0.3321126		-3.6	30
Hexachloroethane	A	50.0	45.7	0.7036808	0.6432059		-8.6	30
Indeno(1,2,3-cd)pyrene	A	50.0	42.1	1.10209	0.9277616		-15.8	30
Isophorone	A	50.0	50.2	0.8047004	0.8076209		0.4	30
2-Methylnaphthalene	A	50.0	46.7	0.6884755	0.6429296		-6.6	30
2-Methylphenol	A	50.0	50.8	1.553194	1.578433		1.6	30
3/4-Methylphenol	A	50.0	49.7	1.732615	1.722527		-0.6	30
Naphthalene	A	50.0	44.6	1.173781	1.046078		-10.9	30
2-Nitroaniline	A	50.0	55.1	0.4975792	0.5484092		10.2	30
3-Nitroaniline	A	50.0	38.5	0.3949801	0.3041036		-23.0	30
4-Nitroaniline	A	50.0	45.4	0.3994338	0.3630753		-9.1	30
Nitrobenzene	A	50.0	47.6	0.4607835	0.438561		-4.8	30
2-Nitrophenol	A	50.0	43.5	0.2370074	0.2059922		-13.1	30
4-Nitrophenol	A	50.0	40.7	0.2463673	0.2005733		-18.6	30
N-Nitrosodiphenylamine/Diphenylamine	A	50.0	45.1	0.6910872	0.6249859		-9.6	30
N-Nitrosodi-n-propylamine	A	50.0	48.1	1.226752	1.181179		-3.7	30
Pentachlorophenol	A	50.0	43.9	0.1578667	0.1386739		-12.2	30
Phenanthrene	A	50.0	43.8	1.236176	1.081969		-12.5	30
Phenol	A	50.0	49.3	2.421806	2.38822		-1.4	30
Pyrene	A	50.0	43.6	1.721838	1.502609		-12.7	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S113003.D	Calibration Date:	04/04/22 08:41
Sequence:	S070776	Injection Date:	04/23/22
Lab Sample ID:	S070776-CCV1	Injection Time:	12:00

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.0	48.5	1.613687	1.563962		-3.1		
Acenaphthene	A	50.0	49.5	1.372946	1.357987		-1.1	20	
Acenaphthylene	A	50.0	47.5	2.188014	2.08012		-4.9	20	
Acetophenone	A	50.0	46.3	2.27581	2.10632		-7.4	20	
Anthracene	A	50.0	48.5	1.249074	1.211756		-3.0	20	
Benzo(a)anthracene	A	50.0	49.2	1.543954	1.518553		-1.6	20	
Benzo(a)pyrene	A	50.0	50.2	1.308666	1.31276		0.3	20	
Benzo(b)fluoranthene	A	50.0	50.0	1.509432	1.507806		-0.1	20	
Benzo(g,h,i)perylene	A	50.0	50.5	1.131917	1.142837		1.0	20	
Benzo(k)fluoranthene	A	50.0	50.5	1.329068	1.342198		1.0	20	
Bis(2-chloroethoxy)methane	A	50.0	46.6	0.5181659	0.4834313		-6.7	20	
Bis(2-chloroethyl)ether	A	50.0	40.4	1.603576	1.293938		-19.3	20	
Bis(2-chloroisopropyl)ether	A	50.0	37.3	2.989072	2.232477		-25.3	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	49.2	1.229657	1.210113		-1.6	20	
4-Bromophenylphenylether	A	50.0	52.0	0.2243946	0.2331398		3.9	20	
Butylbenzylphthalate	A	50.0	47.7	0.9513588	0.9076587		-4.6	20	
Carbazole	A	50.0	48.1	1.204311	1.158656		-3.8	20	
4-Chloroaniline	A	50.0	46.2	0.4167645	0.3854732		-7.5	20	
4-Chloro-3-methylphenol	A	50.0	49.1	0.4023861	0.394865		-1.9	20	
2-Chloronaphthalene	A	50.0	50.9	1.560881	1.588131		1.7	20	
2-Chlorophenol	A	50.0	46.6	1.803142	1.68127		-6.8	20	
4-Chlorophenylphenylether	A	50.0	52.0	0.7253942	0.7551431		4.1	20	
Chrysene	A	50.0	48.1	1.422249	1.368651		-3.8	20	
Dibenz(a,h)anthracene	A	50.0	48.8	1.149626	1.123275		-2.3	20	
Dibenzofuran	A	50.0	49.1	1.764101	1.731161		-1.9	20	
Di-n-butylphthalate	A	50.0	49.8	1.65418	1.646415		-0.5	20	
3,3-Dichlorobenzidine	A	50.0	49.2	0.526821	0.5181441		-1.6	20	
2,4-Dichlorophenol	A	50.0	51.1	0.3639342	0.3716635		2.1	20	
Diethylphthalate	A	50.0	49.2	1.628092	1.603371		-1.5	20	
2,4-Dimethylphenol	A	50.0	49.2	0.3977545	0.3915272		-1.6	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S115002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070847	Injection Date:	04/25/22
Lab Sample ID:	S070847-CCV1	Injection Time:	13:51

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.0	48.9	1.613687	1.576984		-2.3		
Acenaphthene	A	50.0	50.0	1.372946	1.373007		0.004	20	
Acenaphthylene	A	50.0	48.3	2.188014	2.112828		-3.4	20	
Acetophenone	A	50.0	46.8	2.27581	2.131599		-6.3	20	
Anthracene	A	50.0	47.9	1.249074	1.196782		-4.2	20	
Benzo(a)anthracene	A	50.0	49.0	1.543954	1.514459		-1.9	20	
Benzo(a)pyrene	A	50.0	50.2	1.308666	1.312944		0.3	20	
Benzo(b)fluoranthene	A	50.0	49.7	1.509432	1.501658		-0.5	20	
Benzo(g,h,i)perylene	A	50.0	54.8	1.131917	1.240126		9.6	20	
Benzo(k)fluoranthene	A	50.0	50.5	1.329068	1.341434		0.9	20	
Bis(2-chloroethoxy)methane	A	50.0	47.0	0.5181659	0.4873963		-5.9	20	
Bis(2-chloroethyl)ether	A	50.0	42.3	1.603576	1.357216		-15.4	20	
Bis(2-chloroisopropyl)ether	A	50.0	38.7	2.989072	2.311602		-22.7	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	47.0	1.229657	1.15691		-5.9	20	
4-Bromophenylphenylether	A	50.0	50.7	0.2243946	0.2276389		1.4	20	
Butylbenzylphthalate	A	50.0	45.7	0.9513588	0.8697467		-8.6	20	
Carbazole	A	50.0	48.8	1.204311	1.175363		-2.4	20	
4-Chloroaniline	A	50.0	46.8	0.4167645	0.3901917		-6.4	20	
4-Chloro-3-methylphenol	A	50.0	49.8	0.4023861	0.4010335		-0.3	20	
2-Chloronaphthalene	A	50.0	48.4	1.560881	1.510912		-3.2	20	
2-Chlorophenol	A	50.0	46.6	1.803142	1.679509		-6.9	20	
4-Chlorophenylphenylether	A	50.0	52.1	0.7253942	0.7560499		4.2	20	
Chrysene	A	50.0	48.6	1.422249	1.383772		-2.7	20	
Dibenz(a,h)anthracene	A	50.0	52.5	1.149626	1.207639		5.0	20	
Dibenzofuran	A	50.0	49.4	1.764101	1.741956		-1.3	20	
Di-n-butylphthalate	A	50.0	48.2	1.65418	1.595861		-3.5	20	
3,3-Dichlorobenzidine	A	50.0	47.8	0.526821	0.5037702		-4.4	20	
2,4-Dichlorophenol	A	50.0	51.1	0.3639342	0.3720091		2.2	20	
Diethylphthalate	A	50.0	49.7	1.628092	1.618762		-0.6	20	
2,4-Dimethylphenol	A	50.0	46.5	0.3977545	0.369846		-7.0	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D2211602.D	Calibration Date:	04/04/22 08:41
Sequence:	S070858	Injection Date:	04/26/22
Lab Sample ID:	S070858-CCV1	Injection Time:	13:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.0	49.7	1.613687	1.604331		-0.6		
Acenaphthene	A	50.0	49.6	1.372946	1.361368		-0.8	20	
Acenaphthylene	A	50.0	48.3	2.188014	2.115392		-3.3	20	
Acetophenone	A	50.0	45.2	2.27581	2.059194		-9.5	20	
Anthracene	A	50.0	47.6	1.249074	1.187887		-4.9	20	
Benzo(a)anthracene	A	50.0	49.5	1.543954	1.527129		-1.1	20	
Benzo(a)pyrene	A	50.0	49.8	1.308666	1.30416		-0.3	20	
Benzo(b)fluoranthene	A	50.0	50.7	1.509432	1.529994		1.4	20	
Benzo(g,h,i)perylene	A	50.0	53.4	1.131917	1.208464		6.8	20	
Benzo(k)fluoranthene	A	50.0	49.9	1.329068	1.326563		-0.2	20	
Bis(2-chloroethoxy)methane	A	50.0	46.6	0.5181659	0.4831541		-6.8	20	
Bis(2-chloroethyl)ether	A	50.0	39.0	1.603576	1.251922		-21.9	20	*
Bis(2-chloroisopropyl)ether	A	50.0	34.4	2.989072	2.055017		-31.2	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	45.1	1.229657	1.109833		-9.7	20	
4-Bromophenylphenylether	A	50.0	53.2	0.2243946	0.2387046		6.4	20	
Butylbenzylphthalate	A	50.0	45.2	0.9513588	0.8604472		-9.6	20	
Carbazole	A	50.0	48.1	1.204311	1.159548		-3.7	20	
4-Chloroaniline	A	50.0	47.1	0.4167645	0.3922173		-5.9	20	
4-Chloro-3-methylphenol	A	50.0	48.1	0.4023861	0.3868366		-3.9	20	
2-Chloronaphthalene	A	50.0	48.6	1.560881	1.518672		-2.7	20	
2-Chlorophenol	A	50.0	47.0	1.803142	1.69331		-6.1	20	
4-Chlorophenylphenylether	A	50.0	52.6	0.7253942	0.7628453		5.2	20	
Chrysene	A	50.0	47.9	1.422249	1.36329		-4.1	20	
Dibenz(a,h)anthracene	A	50.0	51.7	1.149626	1.18852		3.4	20	
Dibenzofuran	A	50.0	49.4	1.764101	1.743371		-1.2	20	
Di-n-butylphthalate	A	50.0	47.1	1.65418	1.558422		-5.8	20	
3,3-Dichlorobenzidine	A	50.0	49.6	0.526821	0.5226033		-0.8	20	
2,4-Dichlorophenol	A	50.0	51.8	0.3639342	0.3771914		3.6	20	
Diethylphthalate	A	50.0	48.3	1.628092	1.571832		-3.5	20	
2,4-Dimethylphenol	A	50.0	46.1	0.3977545	0.366376		-7.9	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S120004.D	Calibration Date:	04/04/22 08:41
Sequence:	S071097	Injection Date:	04/30/22
Lab Sample ID:	S071097-CCV1	Injection Time:	10:34

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.0	50.1	1.613687	1.615861		0.1		
Acenaphthene	A	50.0	46.1	1.372946	1.266145		-7.8	20	
Acenaphthylene	A	50.0	48.9	2.188014	2.139058		-2.2	20	
Acetophenone	A	50.0	44.2	2.27581	2.010938		-11.6	20	
Anthracene	A	50.0	48.1	1.249074	1.201011		-3.8	20	
Benzo(a)anthracene	A	50.0	50.0	1.543954	1.543905		-0.003	20	
Benzo(a)pyrene	A	50.0	51.0	1.308666	1.336178		2.1	20	
Benzo(b)fluoranthene	A	50.0	51.0	1.509432	1.53921		2.0	20	
Benzo(g,h,i)perylene	A	50.0	50.8	1.131917	1.149647		1.6	20	
Benzo(k)fluoranthene	A	50.0	50.9	1.329068	1.352516		1.8	20	
Bis(2-chloroethoxy)methane	A	50.0	46.0	0.5181659	0.4769872		-7.9	20	
Bis(2-chloroethyl)ether	A	50.0	35.2	1.603576	1.128669		-29.6	20	*
Bis(2-chloroisopropyl)ether	A	50.0	31.2	2.989072	1.866756		-37.5	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	45.0	1.229657	1.106128		-10.0	20	
4-Bromophenylphenylether	A	50.0	53.0	0.2243946	0.2380762		6.1	20	
Butylbenzylphthalate	A	50.0	46.3	0.9513588	0.8801345		-7.5	20	
Carbazole	A	50.0	49.2	1.204311	1.185888		-1.5	20	
4-Chloroaniline	A	50.0	46.3	0.4167645	0.3860342		-7.4	20	
4-Chloro-3-methylphenol	A	50.0	52.1	0.4023861	0.4195321		4.3	20	
2-Chloronaphthalene	A	50.0	52.7	1.560881	1.64578		5.4	20	
2-Chlorophenol	A	50.0	44.4	1.803142	1.601379		-11.2	20	
4-Chlorophenylphenylether	A	50.0	52.2	0.7253942	0.7573464		4.4	20	
Chrysene	A	50.0	50.2	1.422249	1.427274		0.4	20	
Dibenz(a,h)anthracene	A	50.0	49.9	1.149626	1.146886		-0.2	20	
Dibenzofuran	A	50.0	49.6	1.764101	1.750476		-0.8	20	
Di-n-butylphthalate	A	50.0	46.7	1.65418	1.545233		-6.6	20	
3,3-Dichlorobenzidine	A	50.0	51.8	0.526821	0.5456559		3.6	20	
2,4-Dichlorophenol	A	50.0	52.6	0.3639342	0.3828722		5.2	20	
Diethylphthalate	A	50.0	48.3	1.628092	1.5729		-3.4	20	
2,4-Dimethylphenol	A	50.0	47.8	0.3977545	0.3802539		-4.4	20	

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MCLN-MW-01

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SOP-454 PFAS
Batch:	B306698	Preparation:	SOP 454-PFAAS
% Solids:		Laboratory ID:	B306698-MS1
Initial/Final:	270.52 mL / 1 mL	Sample Lab ID:	22D1346-09
Column:			

ANALYTE	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC.		QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	9.24	3.21	7.61	47.6	*	73 - 129
Perfluorobutanesulfonic acid (PFBS)	8.18	1.83	8.27	78.7		72 - 130
Perfluoropentanoic acid (PFPeA)	9.24	3.22	9.91	72.4		72 - 129
Perfluorohexanoic acid (PFHxA)	9.24	3.52	10.5	75.3		72 - 129
11Cl-PF3OUdS (F53B Minor)	8.71	ND	7.01	80.5		50 - 150
9Cl-PF3ONS (F53B Major)	8.61	ND	7.62	88.5		50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.71	ND	7.14	82.0		50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.24	ND	8.04	87.0		50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.87	ND	7.56	85.2		67 - 138
Perfluorodecanoic acid (PFDA)	9.24	ND	7.16	77.5		71 - 129
Perfluorododecanoic acid (PFDoA)	9.24	ND	7.49	81.0		72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.22	ND	7.51	91.3		50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	8.83	ND	6.73	76.3		69 - 134
N-EtFOSAA	9.24	ND	8.08	87.5		61 - 135
Perfluorotetradecanoic acid (PFTA)	9.24	ND	7.22	78.1		71 - 132
Perfluorotridecanoic acid (PFTrDA)	9.24	ND	7.81	84.5		65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.64	ND	7.15	82.8		63 - 143
Perfluorodecanesulfonic acid (PFDS)	8.92	ND	7.13	80.0		53 - 142
Perfluorooctanesulfonamide (FOSA)	9.24	ND	7.89	85.4		67 - 137
Perfluorononanesulfonic acid (PFNS)	8.87	ND	7.18	80.9		69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	9.24	ND	8.42	91.1		50 - 150
Perfluoro-1-butanesulfonamide (FBSA)	9.24	0.296	8.08	84.3		50 - 150

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S071054	Instrument:	QQQ4
		Calibration:	2200208

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-WL-01 (22D1346-01)			*Lab File ID: 22D1346-01.d*			*Analyzed: 04/28/22 07:15*			
M8FOSA	128034.8	4.01255	387062	4.020534	33	50 - 150	-0.0080	+/-0.50	*
M2-4:2FTS	84547.93	2.537883	173359	2.537883	49	50 - 150	0.0000	+/-0.50	*
M2PFTA	828222	4.3378	1272447	4.3378	65	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	119477.5	3.818733	172378	3.818733	69	50 - 150	0.0000	+/-0.50	
MPFBA	517302.2	1.0917	731269	1.0917	71	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	231172.5	2.872033	235711	2.872033	98	50 - 150	0.0000	+/-0.50	
M6PFDA	668686.8	3.81925	802795	3.81925	83	50 - 150	0.0000	+/-0.50	
M3PFBS	148724.5	1.9364	171188	1.9364	87	50 - 150	0.0000	+/-0.50	
M7PFUnA	811586.1	3.962017	1026100	3.970017	79	50 - 150	-0.0080	+/-0.50	
M2-6:2FTS	49476.56	3.469383	88173	3.469383	56	50 - 150	0.0000	+/-0.50	
M5PFPeA	543706.4	1.757717	622517	1.757717	87	50 - 150	0.0000	+/-0.50	
M5PFHxA	823046.8	2.621617	947798	2.621617	87	50 - 150	0.0000	+/-0.50	
M3PFHxS	120722.3	3.242583	133450	3.242583	90	50 - 150	0.0000	+/-0.50	
M4PFHpA	815681.1	3.203083	929468	3.21145	88	50 - 150	-0.0084	+/-0.50	
M8PFOA	755540.8	3.4779	876752	3.4779	86	50 - 150	0.0000	+/-0.50	
M8PFOS	118051.9	3.668117	139128	3.668117	85	50 - 150	0.0000	+/-0.50	
M9PFNA	597753	3.669167	706299	3.66915	85	50 - 150	0.0000	+/-0.50	
MPFDoA	746910.9	4.096633	1004554	4.104633	74	50 - 150	-0.0080	+/-0.50	
d5-NEtFOSAA	176371.1	3.969483	210064	3.969483	84	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	212993	3.889733	244877	3.897717	87	50 - 150	-0.0080	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S071054	Instrument:	QQQ4
		Calibration:	2200208

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-MCLN-MW-02 (22D1346-10)			*Lab File ID: 22D1346-10.d*			*Analyzed: 04/28/22 08:12*			
M8FOSA	176613.2	4.01255	387062	4.020534	46	50 - 150	-0.0080	+/-0.50	*
M2-4:2FTS	172248.5	2.537883	173359	2.537883	99	50 - 150	0.0000	+/-0.50	
M2PFTA	864372.6	4.3378	1272447	4.3378	68	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	180342	3.82705	172378	3.818733	105	50 - 150	0.0083	+/-0.50	
MPFBA	422512.5	1.0917	731269	1.0917	58	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	159137	2.872033	235711	2.872033	68	50 - 150	0.0000	+/-0.50	
M6PFDA	737437.1	3.82755	802795	3.81925	92	50 - 150	0.0083	+/-0.50	
M3PFBS	140531.8	1.928117	171188	1.9364	82	50 - 150	-0.0083	+/-0.50	
M7PFUnA	918944.4	3.970017	1026100	3.970017	90	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	115313.1	3.469383	88173	3.469383	131	50 - 150	0.0000	+/-0.50	
M5PFPeA	514252.6	1.749417	622517	1.757717	83	50 - 150	-0.0083	+/-0.50	
M5PFHxA	832292.1	2.621617	947798	2.621617	88	50 - 150	0.0000	+/-0.50	
M3PFHxS	120698.3	3.242583	133450	3.242583	90	50 - 150	0.0000	+/-0.50	
M4PFHpA	800662.6	3.203083	929468	3.21145	86	50 - 150	-0.0084	+/-0.50	
M8PFOA	755153.1	3.485883	876752	3.4779	86	50 - 150	0.0080	+/-0.50	
M8PFOS	121473.4	3.668117	139128	3.668117	87	50 - 150	0.0000	+/-0.50	
M9PFNA	637963.6	3.669167	706299	3.66915	90	50 - 150	0.0000	+/-0.50	
MPFDoA	871866.8	4.104633	1004554	4.104633	87	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	190714.4	3.977483	210064	3.969483	91	50 - 150	0.0080	+/-0.50	
d3-NMeFOSAA	232050.5	3.897717	244877	3.897717	95	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S071305	Instrument:	QQQ4
		Calibration:	2200218

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-WS-01 (22D1346-02RE1)			*Lab File ID: 22D1346-02RE1.d*			*Analyzed: 05/05/22 22:18*			
M8FOSA	245722.9	4.052516	333469	4.052516	74	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	75650.83	2.69535	125599	2.69535	60	50 - 150	0.0000	+/-0.50	
M2PFTA	313326.8	4.427233	1224119	4.427233	26	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	78462.95	3.891033	112981	3.891033	69	50 - 150	0.0000	+/-0.50	
MPFBA	592417.8	1.141567	644432	1.13325	92	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	176861.1	2.986567	222673	2.986567	79	50 - 150	0.0000	+/-0.50	
M6PFDA	616100.8	3.891567	651567	3.891567	95	50 - 150	0.0000	+/-0.50	
M3PFBS	144872.9	2.0632	144381	2.0632	100	50 - 150	0.0000	+/-0.50	
M7PFUnA	745830.1	4.041966	851943	4.041966	88	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	61025.94	3.5336	64915	3.5336	94	50 - 150	0.0000	+/-0.50	
M5PFPeA	574361.3	1.86595	552967	1.86595	104	50 - 150	0.0000	+/-0.50	
M5PFHxA	869295.7	2.779967	838743	2.77995	104	50 - 150	0.0000	+/-0.50	
M3PFHxS	120216.6	3.308383	117500	3.308383	102	50 - 150	0.0000	+/-0.50	
M4PFHpA	865350.2	3.2853	840658	3.2853	103	50 - 150	0.0000	+/-0.50	
M8PFOA	754343.3	3.542133	712377	3.542133	106	50 - 150	0.0000	+/-0.50	
M8PFOS	115599.3	3.724233	127019	3.724233	91	50 - 150	0.0000	+/-0.50	
M9PFNA	642452.7	3.725233	645664	3.725233	100	50 - 150	0.0000	+/-0.50	
MPFDoA	612139.3	4.185417	941462	4.185417	65	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	173905.6	4.049433	194901	4.049433	89	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	203576.6	3.96985	225872	3.96985	90	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S071305	Instrument:	QQQ4
		Calibration:	2200218

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-MW-4 (22D1346-03RE1)			*Lab File ID: 22D1346-03RE1.d*			*Analyzed: 05/05/22 22:25*			
M8FOSA	230003.5	4.052516	333469	4.052516	69	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	76518.47	2.69535	125599	2.69535	61	50 - 150	0.0000	+/-0.50	
M2PFTA	278779	4.427233	1224119	4.427233	23	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	85187.2	3.891033	112981	3.891033	75	50 - 150	0.0000	+/-0.50	
MPFBA	664422.6	1.141567	644432	1.13325	103	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	221152.6	2.986567	222673	2.986567	99	50 - 150	0.0000	+/-0.50	
M6PFDA	697471.8	3.891567	651567	3.891567	107	50 - 150	0.0000	+/-0.50	
M3PFBS	157986.3	2.0632	144381	2.0632	109	50 - 150	0.0000	+/-0.50	
M7PFUnA	755546.1	4.041966	851943	4.041966	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	58520.11	3.5336	64915	3.5336	90	50 - 150	0.0000	+/-0.50	
M5PFPeA	618621.9	1.86595	552967	1.86595	112	50 - 150	0.0000	+/-0.50	
M5PFHxA	933371.3	2.779967	838743	2.77995	111	50 - 150	0.0000	+/-0.50	
M3PFHxS	127601.6	3.308383	117500	3.308383	109	50 - 150	0.0000	+/-0.50	
M4PFHpA	937595.5	3.2853	840658	3.2853	112	50 - 150	0.0000	+/-0.50	
M8PFOA	796631.4	3.542133	712377	3.542133	112	50 - 150	0.0000	+/-0.50	
M8PFOS	132190.9	3.724233	127019	3.724233	104	50 - 150	0.0000	+/-0.50	
M9PFNA	708539	3.725233	645664	3.725233	110	50 - 150	0.0000	+/-0.50	
MPFDoA	680110.4	4.177333	941462	4.185417	72	50 - 150	-0.0081	+/-0.50	
d5-NEtFOSAA	151605.2	4.049433	194901	4.049433	78	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	219572.6	3.96985	225872	3.96985	97	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S071305	Instrument:	QQQ4
		Calibration:	2200218

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-MW-2 (22D1346-06RE1)			*Lab File ID: 22D1346-06RE1.d*			*Analyzed: 05/05/22 22:40*			
M8FOSA	147487.1	4.052516	333469	4.052516	44	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	65442.63	2.69535	125599	2.69535	52	50 - 150	0.0000	+/-0.50	
M2PFTA	180053	4.427233	1224119	4.427233	15	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	73699.94	3.891033	112981	3.891033	65	50 - 150	0.0000	+/-0.50	
MPFBA	612584.6	1.141567	644432	1.13325	95	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	196856.5	2.986567	222673	2.986567	88	50 - 150	0.0000	+/-0.50	
M6PFDA	610005.2	3.89155	651567	3.891567	94	50 - 150	0.0000	+/-0.50	
M3PFBS	148402.6	2.0632	144381	2.0632	103	50 - 150	0.0000	+/-0.50	
M7PFUnA	700596.9	4.041966	851943	4.041966	82	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	52382.31	3.5336	64915	3.5336	81	50 - 150	0.0000	+/-0.50	
M5PFPeA	579031.9	1.86595	552967	1.86595	105	50 - 150	0.0000	+/-0.50	
M5PFHxA	877635.1	2.779967	838743	2.77995	105	50 - 150	0.0000	+/-0.50	
M3PFHxS	119822.4	3.316417	117500	3.308383	102	50 - 150	0.0080	+/-0.50	
M4PFHpA	876861.3	3.2853	840658	3.2853	104	50 - 150	0.0000	+/-0.50	
M8PFOA	744951.5	3.542133	712377	3.542133	105	50 - 150	0.0000	+/-0.50	
M8PFOS	124109.4	3.724233	127019	3.724233	98	50 - 150	0.0000	+/-0.50	
M9PFNA	644587.9	3.725233	645664	3.725233	100	50 - 150	0.0000	+/-0.50	
MPFDoA	556489.3	4.185417	941462	4.185417	59	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	141414.7	4.049433	194901	4.049433	73	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	187630.3	3.96985	225872	3.96985	83	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S071305	Instrument:	QQQ4
		Calibration:	2200218

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-MW-1 (22D1346-08)			*Lab File ID: 22D1346-08.d*			*Analyzed: 05/05/22 22:47*			
M8FOSA	133303	4.052516	333469	4.052516	40	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	74253.01	2.69535	125599	2.69535	59	50 - 150	0.0000	+/-0.50	
M2PFTA	36308.39	4.427233	1224119	4.427233	03	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	71852.41	3.891033	112981	3.891033	64	50 - 150	0.0000	+/-0.50	
MPFBA	698341.2	1.141567	644432	1.13325	108	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	188662	2.986567	222673	2.986567	85	50 - 150	0.0000	+/-0.50	
M6PFDA	602983.3	3.89155	651567	3.891567	93	50 - 150	0.0000	+/-0.50	
M3PFBS	153678.2	2.0632	144381	2.0632	106	50 - 150	0.0000	+/-0.50	
M7PFUnA	639936.9	4.041966	851943	4.041966	75	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	56052.67	3.5336	64915	3.5336	86	50 - 150	0.0000	+/-0.50	
M5PFPeA	610077.5	1.86595	552967	1.86595	110	50 - 150	0.0000	+/-0.50	
M5PFHxA	944817.7	2.779967	838743	2.77995	113	50 - 150	0.0000	+/-0.50	
M3PFHxS	126171.2	3.308383	117500	3.308383	107	50 - 150	0.0000	+/-0.50	
M4PFHpA	911834.6	3.2853	840658	3.2853	108	50 - 150	0.0000	+/-0.50	
M8PFOA	807907.3	3.542133	712377	3.542133	113	50 - 150	0.0000	+/-0.50	
M8PFOS	122553.9	3.724233	127019	3.724233	96	50 - 150	0.0000	+/-0.50	
M9PFNA	677453.1	3.725233	645664	3.725233	105	50 - 150	0.0000	+/-0.50	
MPFDoA	397936.6	4.185417	941462	4.185417	42	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	154708.5	4.049433	194901	4.049433	79	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	197661.4	3.96985	225872	3.96985	88	50 - 150	0.0000	+/-0.50	

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 2367

Lab Sample ID: B306233-BS1 Date(s) Analyzed: 05/03/2022 05/03/2022

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.329	7.300	7.360	0.88	
	2	7.325	7.295	7.355	0.90	2.3
4,4'-DDE	1	6.883	6.855	6.915	0.83	
	2	6.892	6.862	6.922	0.92	10.3
4,4'-DDT	1	7.542	7.513	7.573	0.89	
	2	7.565	7.536	7.596	0.90	1.1
Aldrin	1	6.219	6.190	6.250	0.78	
	2	6.131	6.101	6.161	0.98	22.7
alpha-BHC	1	5.500	5.471	5.531	0.84	
	2	5.421	5.391	5.451	1.1	26.8
alpha-Chlordane	1	6.829	6.800	6.860	0.79	
	2	6.763	6.733	6.793	0.93	16.3
beta-BHC	1	5.756	5.727	5.787	0.83	
	2	5.692	5.663	5.723	0.97	15.6
delta-BHC	1	5.874	5.845	5.905	0.84	
	2	5.879	5.849	5.909	0.99	16.4
Dieldrin	1	7.106	7.077	7.137	0.76	
	2	7.002	6.973	7.033	0.89	15.8
Endosulfan I	1	6.929	6.901	6.961	0.77	
	2	6.802	6.772	6.832	0.91	16.7
Endosulfan II	1	7.449	7.420	7.480	0.80	
	2	7.389	7.360	7.420	0.84	4.9
Endosulfan Sulfate	1	8.099	8.069	8.129	0.85	
	2	7.868	7.838	7.898	0.84	1.2
Endrin	1	7.280	7.251	7.311	0.81	
	2	7.227	7.198	7.258	0.90	10.5
Endrin Aldehyde	1	7.774	7.744	7.804	0.77	
	2	7.650	7.621	7.681	0.78	1.3
Endrin Ketone	1	8.287	8.257	8.317	0.90	
	2	8.246	8.216	8.276	0.87	4.5
gamma-BHC (Lindane)	1	5.702	5.672	5.732	0.81	
	2	5.638	5.609	5.669	1.1	30.4
gamma-Chlordane	1	6.732	6.703	6.763	0.71	
	2	6.658	6.628	6.688	0.94	27.9
Heptachlor	1	6.014	5.985	6.045	0.76	
	2	5.918	5.889	5.949	0.99	26.3
Heptachlor Epoxide	1	6.644	6.615	6.675	0.74	
	2	6.524	6.494	6.554	0.92	21.7
Methoxychlor	1	7.920	7.890	7.950	0.90	
	2	8.101	8.071	8.131	0.88	2.3

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 2369

Lab Sample ID: B306343-BS1 Date(s) Analyzed: 04/26/2022 04/26/2022

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.399	7.370	7.430	0.77	
	2	7.395	7.365	7.425	0.88	13.3
4,4'-DDE	1	6.950	6.921	6.981	0.76	
	2	6.959	6.928	6.988	0.87	13.5
4,4'-DDT	1	7.614	7.584	7.644	0.78	
	2	7.637	7.607	7.667	0.86	9.8
Aldrin	1	6.282	6.252	6.312	0.77	
	2	6.193	6.163	6.223	0.77	0.0
alpha-BHC	1	5.553	5.523	5.583	0.83	
	2	5.471	5.441	5.501	0.73	12.8
alpha-Chlordane	1	6.898	6.867	6.927	0.75	
	2	6.831	6.800	6.860	0.83	10.1
beta-BHC	1	5.813	5.782	5.842	0.79	
	2	5.746	5.716	5.776	0.77	2.6
delta-BHC	1	5.932	5.902	5.962	0.81	
	2	5.936	5.906	5.966	0.82	1.2
Dieldrin	1	7.178	7.147	7.207	0.76	
	2	7.072	7.042	7.102	0.80	5.1
Endosulfan I	1	6.999	6.970	7.030	0.75	
	2	6.871	6.840	6.900	0.83	10.1
Endosulfan II	1	7.523	7.494	7.554	0.69	
	2	7.462	7.432	7.492	0.82	17.2
Endosulfan Sulfate	1	8.166	8.137	8.197	0.69	
	2	7.941	7.911	7.971	0.84	19.6
Endrin	1	7.353	7.323	7.383	0.79	
	2	7.299	7.269	7.329	0.84	6.1
Endrin Aldehyde	1	7.849	7.819	7.879	0.55	
	2	7.725	7.694	7.754	0.76	32.1
Endrin Ketone	1	8.351	8.322	8.382	0.78	
	2	8.311	8.280	8.340	0.83	6.2
gamma-BHC (Lindane)	1	5.758	5.727	5.787	0.79	
	2	5.693	5.662	5.722	0.75	5.2
gamma-Chlordane	1	6.800	6.770	6.830	0.72	
	2	6.725	6.695	6.755	0.84	15.4
Heptachlor	1	6.074	6.044	6.104	0.77	
	2	5.977	5.946	6.006	0.75	2.6
Heptachlor Epoxide	1	6.711	6.681	6.741	0.75	
	2	6.589	6.559	6.619	0.79	5.2
Methoxychlor	1	7.987	7.958	8.018	0.79	
	2	8.165	8.134	8.194	0.85	7.3

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 2371

Lab Sample ID: B306494-BS1 Date(s) Analyzed: 04/26/2022 04/26/2022

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.400	7.370	7.430	0.83	
	2	7.395	7.366	7.426	0.91	9.2
4,4'-DDE	1	6.950	6.921	6.981	0.85	
	2	6.958	6.929	6.989	0.89	4.6
4,4'-DDT	1	7.615	7.585	7.645	0.82	
	2	7.637	7.608	7.668	0.89	8.2
Aldrin	1	6.282	6.253	6.313	0.89	
	2	6.192	6.163	6.223	0.78	13.2
alpha-BHC	1	5.552	5.523	5.583	1.0	
	2	5.471	5.442	5.502	0.77	26.0
alpha-Chlordane	1	6.897	6.868	6.928	0.89	
	2	6.831	6.801	6.861	0.84	5.8
beta-BHC	1	5.812	5.784	5.844	0.95	
	2	5.746	5.717	5.777	0.81	15.9
delta-BHC	1	5.932	5.903	5.963	0.96	
	2	5.936	5.906	5.966	0.84	13.3
Dieldrin	1	7.178	7.148	7.208	0.83	
	2	7.072	7.043	7.103	0.82	1.2
Endosulfan I	1	7.000	6.970	7.030	0.87	
	2	6.871	6.841	6.901	0.83	4.7
Endosulfan II	1	7.523	7.494	7.554	0.79	
	2	7.462	7.433	7.493	0.82	3.7
Endosulfan Sulfate	1	8.167	8.137	8.197	0.80	
	2	7.941	7.911	7.971	0.85	6.1
Endrin	1	7.353	7.324	7.384	0.87	
	2	7.299	7.270	7.330	0.86	1.2
Endrin Aldehyde	1	7.849	7.819	7.879	0.72	
	2	7.724	7.695	7.755	0.78	8.0
Endrin Ketone	1	8.351	8.322	8.382	0.82	
	2	8.311	8.281	8.341	0.87	5.9
gamma-BHC (Lindane)	1	5.757	5.728	5.788	0.95	
	2	5.692	5.663	5.723	0.79	18.4
gamma-Chlordane	1	6.800	6.771	6.831	0.82	
	2	6.724	6.695	6.755	0.86	4.8
Heptachlor	1	6.074	6.045	6.105	0.86	
	2	5.977	5.947	6.007	0.76	12.3
Heptachlor Epoxide	1	6.711	6.682	6.742	0.85	
	2	6.589	6.560	6.620	0.80	6.1
Methoxychlor	1	7.988	7.958	8.018	0.83	
	2	8.165	8.135	8.195	0.86	3.6

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 2375

Lab Sample ID: B306640-BS1 Date(s) Analyzed: 05/03/2022 05/03/2022

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.328	7.300	7.360	0.80	
	2	7.324	7.295	7.355	0.85	6.1
4,4'-DDE	1	6.882	6.855	6.915	0.74	
	2	6.891	6.862	6.922	0.84	12.7
4,4'-DDT	1	7.541	7.513	7.573	0.80	
	2	7.565	7.536	7.596	0.82	2.5
Aldrin	1	6.218	6.190	6.250	0.66	
	2	6.129	6.101	6.161	0.80	19.2
alpha-BHC	1	5.499	5.471	5.531	0.75	
	2	5.419	5.391	5.451	0.93	21.4
alpha-Chlordane	1	6.828	6.800	6.860	0.73	
	2	6.761	6.733	6.793	0.85	15.2
beta-BHC	1	5.755	5.727	5.787	0.78	
	2	5.691	5.663	5.723	0.90	14.3
delta-BHC	1	5.873	5.845	5.905	0.79	
	2	5.878	5.849	5.909	0.91	14.1
Dieldrin	1	7.105	7.077	7.137	0.71	
	2	7.001	6.973	7.033	0.82	14.4
Endosulfan I	1	6.929	6.901	6.961	0.72	
	2	6.801	6.772	6.832	0.84	15.4
Endosulfan II	1	7.448	7.420	7.480	0.73	
	2	7.389	7.360	7.420	0.78	5.3
Endosulfan Sulfate	1	8.098	8.069	8.129	0.78	
	2	7.867	7.838	7.898	0.79	1.3
Endrin	1	7.279	7.251	7.311	0.75	
	2	7.226	7.198	7.258	0.84	11.3
Endrin Aldehyde	1	7.772	7.744	7.804	0.69	
	2	7.650	7.621	7.681	0.73	5.6
Endrin Ketone	1	8.286	8.257	8.317	0.84	
	2	8.245	8.216	8.276	0.80	4.9
gamma-BHC (Lindane)	1	5.701	5.672	5.732	0.75	
	2	5.637	5.609	5.669	0.93	21.4
gamma-Chlordane	1	6.731	6.703	6.763	0.66	
	2	6.657	6.628	6.688	0.86	26.3
Heptachlor	1	6.013	5.985	6.045	0.66	
	2	5.917	5.889	5.949	0.84	24.0
Heptachlor Epoxide	1	6.643	6.615	6.675	0.69	
	2	6.522	6.494	6.554	0.84	19.6
Methoxychlor	1	7.919	7.890	7.950	0.83	
	2	8.101	8.071	8.131	0.82	2.4

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS 3613

Lab Sample ID: B306342-BS1 Date(s) Analyzed: 04/22/2022 04/22/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.49	25.3
Aroclor-1260	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.50	17.4

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike 3935

Lab Sample ID: B306306-MS1 Date(s) Analyzed: 04/24/2022 04/24/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.316	0.000	0.000	0.180	
	2	17.148	0.000	0.000	0.199	10.0
2,4,5-TP (Silvex)	1	17.091	0.000	0.000	0.214	
	2	16.778	0.000	0.000	0.234	10.8
2,4-D	1	15.661	0.000	0.000	2.00	
	2	15.069	0.000	0.000	2.59	25.7
2,4-DB	1	17.669	0.000	0.000	2.04	
	2	17.497	0.000	0.000	1.70	16.2
Dalapon	1	5.473	0.000	0.000	4.35	
	2	4.921	0.000	0.000	4.53	2.9
Dicamba	1	13.405	0.000	0.000	0.191	
	2	12.738	0.000	0.000	0.191	0.5
Dichloroprop	1	15.126	0.000	0.000	2.31	
	2	14.357	0.000	0.000	2.42	5.1
Dinoseb	1	18.199	0.000	0.000	0.537	
	2	17.669	0.000	0.000	0.583	7.7
MCPA	1	14.268	0.000	0.000	166	
	2	13.617	0.000	0.000	185	8.5
MCPP	1	13.913	0.000	0.000	268	
	2	13.087	0.000	0.000	242	10.9

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike Dup 3936

Lab Sample ID: B306306-MSD1 Date(s) Analyzed: 04/24/2022 04/24/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.316	0.000	0.000	0.187	
	2	17.148	0.000	0.000	0.206	8.1
2,4,5-TP (Silvex)	1	17.090	0.000	0.000	0.209	
	2	16.778	0.000	0.000	0.229	8.7
2,4-D	1	15.661	0.000	0.000	2.09	
	2	15.069	0.000	0.000	2.74	26.4
2,4-DB	1	17.669	0.000	0.000	2.05	
	2	17.497	0.000	0.000	1.81	14.8
Dalapon	1	5.473	0.000	0.000	4.65	
	2	4.921	0.000	0.000	4.75	1.1
Dicamba	1	13.404	0.000	0.000	0.200	
	2	12.738	0.000	0.000	0.201	0.5
Dichloroprop	1	15.126	0.000	0.000	2.36	
	2	14.358	0.000	0.000	2.53	5.3
Dinoseb	1	18.199	0.000	0.000	0.567	
	2	17.669	0.000	0.000	0.593	4.0
MCPA	1	14.270	0.000	0.000	173	
	2	13.617	0.000	0.000	192	12.2
MCPP	1	13.909	0.000	0.000	273	
	2	13.087	0.000	0.000	251	7.3

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 22D1346
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S073185-LCV1
Sequence: S073185
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0511	2.2	30.00
Antimony	0.0500	0.0432	-13.6	30.00
Barium	0.0500	0.0561	12.1	30.00
Beryllium	0.00400	0.00444	11.0	30.00
Cadmium	0.00400	0.00424	6.1	30.00
Calcium	0.500	0.548	9.5	30.00
Chromium	0.0100	0.0107	6.7	30.00
Cobalt	0.0100	0.0109	9.3	30.00
Lead	0.0100	0.0116	16.1	30.00
Magnesium	0.0500	0.0558	11.5	30.00
Manganese	0.0100	0.0116	15.7	30.00
Nickel	0.0100	0.0110	10.3	30.00
Potassium	2.00	2.13	6.6	30.00
Selenium	0.0500	0.0569	13.9	30.00
Sodium	2.00	2.13	6.7	30.00
Thallium	0.0500	0.0526	5.2	30.00
Vanadium	0.0100	0.0113	13.3	30.00
Zinc	0.0100	0.0116	16.3	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 22D1346
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S073185-LCV3
Sequence: S073185
Standard ID: 2206587

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Iron	0.0500	0.0594	18.9	30.00

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MCLN-MW-01

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 6010D
Batch:	B306241	Preparation:	SW-846 3005A
% Solids:		Laboratory ID:	B306241-MS2
Column:		Sample Lab ID:	22D1346-09

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.		QC LIMITS REC.
Aluminum	0.500	0.912	1.79 MS-11	176	N	75 - 125
Antimony	0.500	ND	0.485	97.0		75 - 125
Arsenic	0.500	ND	0.465	93.0		75 - 125
Barium	0.500	0.0790	0.555	95.2		75 - 125
Beryllium	0.500	ND	0.487	97.4		75 - 125
Cadmium	0.500	ND	0.490	97.9		75 - 125
Calcium	4.00	212	213 MS-19	30.4		75 - 125
Chromium	0.500	0.00366	0.476	94.5		75 - 125
Cobalt	0.500	0.00387	0.466	92.3		75 - 125
Copper	1.00	0.0105	1.06	105		75 - 125
Iron	4.00	2.62	6.64	101		75 - 125
Lead	0.500	ND	0.473	94.6		75 - 125
Magnesium	4.00	48.6	51.7	77.0		75 - 125
Manganese	0.500	1.02	1.49	92.4		75 - 125
Nickel	0.500	ND	0.475	94.9		75 - 125
Potassium	4.00	2.37	6.36	99.9		75 - 125
Selenium	0.500	ND	0.499	99.7		75 - 125
Silver	0.500	ND	0.561	112		75 - 125
Sodium	4.00	12.6	16.3	93.7		75 - 125
Thallium	0.500	ND	0.494	98.9		75 - 125
Vanadium	0.500	ND	0.487	97.4		75 - 125
Zinc	1.00	0.0304	0.946	91.5		75 - 125

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151 samples were derivatized on 04/22/22

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

For method 8151 samples were derivatized on 04/29/22

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

For PFAS Isotope Dilution samples were received in Trizma preserved containers which is a deviation from standard operating procedure.
REVISED 06-09-22: RL/MDL added to total xylene result.

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SOP-454 PFAS

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Perfluorobutanoic acid (PFBA)
22D1346-09[QNSB-MCLN-MW-01], B306698-MS1, B306698-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Perfluorobutanesulfonic acid (PFBS)
22D1346-09[QNSB-MCLN-MW-01], B306698-MSD1

Perfluorohexanesulfonic acid (PFHxS)
22D1346-09[QNSB-MCLN-MW-01], B306698-MSD1

Perfluoropentanoic acid (PFPeA)
22D1346-09[QNSB-MCLN-MW-01], B306698-MSD1

PF-18

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

M2PFTA
22D1346-03RE1[QNSB-MW-4], 22D1346-06RE1[QNSB-MW-2]

M8FOSA
22D1346-06RE1[QNSB-MW-2]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-4:2FTS
22D1346-01[QNSB-WL-01]

M2PFTA
22D1346-02RE1[QNSB-WS-01], 22D1346-08[QNSB-MW-1]

M8FOSA
22D1346-01[QNSB-WL-01], 22D1346-08[QNSB-MW-1], 22D1346-10[QNSB-MCLN-MW-02]

MPFDoA
22D1346-08[QNSB-MW-1]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Major)
S071305-CCV3

SW-846 6010D

Qualifications:

MS-11

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Aluminum
B306241-MS2

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Calcium
B306241-MS2, B306241-MSD2

SW-846 8260D

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Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromoform
B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1

Carbon Disulfide
B306351-BS1, B306351-BSD1

Chloroethane
B306351-BS1, B306351-BSD1

Methyl Acetate
B306249-BS1, B306249-BSD1, B306351-BS1, B306351-BSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromoform
B306653-MS1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Chloromethane
22D1346-09[QNSB-MCLN-MW-01], B306653-BLK1, B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1, S070819-CCV1

Cyclohexane
22D1346-09[QNSB-MCLN-MW-01], B306653-BLK1, B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1, S070819-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromoform
B306351-BS1, B306351-BSD1, B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1, S070748-CCV1, S070819-CCV1

Carbon Disulfide
B306249-BS1, B306249-BSD1, B306351-BS1, B306351-BSD1, B306653-BS1, B306653-BSD1, B306653-MS1, B306653-MSD1, S070630-CCV1, S070748-CCV1, S070819-CCV1

Chloroethane
B306249-BS1, B306249-BSD1, B306351-BS1, B306351-BSD1, S070630-CCV1, S070748-CCV1

Methyl Acetate
B306249-BS1, B306249-BSD1, B306351-BS1, B306351-BSD1, S070630-CCV1, S070748-CCV1

Trichlorofluoromethane (Freon 11)
B306351-BS1, B306351-BSD1, S070748-CCV1

SW-846 8270E

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

22D1346-08[QNSB-MW-1]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Caprolactam
22D1346-03[QNSB-MW-4], 22D1346-04[QNSB-MW-3], 22D1346-05[QNSB-MW-5], 22D1346-06[QNSB-MW-2], 22D1346-07[Duplicate], 22D1346-09[QNSB-MCLN-MW-01], 22D1346-12[QNSB-MCLN-MW-05], B306237-BS1, B306237-BSD1, B306496-BLK1, B306496-BS1, B306496-BSD1, B306496-MS1, B306496-MSD1, B306642-BLK1, B306642-BS1, B306642-BSD1

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L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bis(2-chloroethyl)ether
B306642-BSD1

Hexachloroethane
B306642-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Caprolactam
22D1346-09[QNSB-MCLN-MW-01], B306496-MS1, B306496-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Phenol
B306496-MS1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Hexachloroethane
B306496-MS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2-Chloronaphthalene
22D1346-12[QNSB-MCLN-MW-05], B306642-BLK1, B306642-BS1, B306642-BSD1

Bis(2-chloroethoxy)methane
22D1346-12[QNSB-MCLN-MW-05], B306642-BLK1, B306642-BS1, B306642-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
22D1346-09[QNSB-MCLN-MW-01], B306496-MS1, B306496-MSD1

Hexachloroethane
22D1346-09[QNSB-MCLN-MW-01], B306496-MSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B306496-BLK1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroethyl)ether
22D1346-04[QNSB-MW-3], 22D1346-05[QNSB-MW-5], B306237-BLK1, B306642-BLK1, B306642-BS1, B306642-BSD1, S070858-CCV1, S071097-CCV1

Bis(2-chloroisopropyl)ether
22D1346-03[QNSB-MW-4], 22D1346-04[QNSB-MW-3], 22D1346-05[QNSB-MW-5], B306237-BLK1, B306237-BS1, B306237-BSD1, B306496-BLK1, B306496-BS1, B306496-BSD1, B306642-BLK1, B306642-BS1, B306642-BSD1, S070776-CCV1, S070847-CCV1, S070858-CCV1, S071097-CCV1

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V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

22D1346-03[QNSB-MW-4], 22D1346-04[QNSB-MW-3], 22D1346-05[QNSB-MW-5], 22D1346-06[QNSB-MW-2], 22D1346-07[Duplicate], 22D1346-09[QNSB-MCLN-MW-01], 22D1346-12[QNSB-MCLN-MW-05], B306237-BLK1, B306237-BS1, B306237-BSD1, B306496-BLK1, B306496-BS1, B306496-BSD1, B306496-MS1, B306496-MSD1, B306642-BLK1, B306642-BS1, B306642-BSD1, S070338-ICV1, S070776-CCV1, S070847-CCV1, S070858-CCV1, S071097-CCV1, S071141-CCV1

SW-846 9014

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Cyanide

22D1346-09[QNSB-MCLN-MW-01], B306511-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Cyanide

22D1346-09[QNSB-MCLN-MW-01], B306511-MSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

PREPARATION BENCH SHEET

Printed: 8/22/2022 8:48:43AM

B306237

Pace New England

Prepared using: SW-846 3510C

Analysis
625 Standard
8270 ASP DEC TCL
8270 PAH (SIM)

Matrix: Water

Surrogate Solution
2204073 Semi Surrogate 100-200ppm

Spiking Solution
2203410 8270/Svoa Spike-50 ppm

Lab Number	Sample ID and Source Sample	Due Date	Extract by	Prepared	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B306237-BLK1	Blank				1000			1000	
B306237-BS1	LCS				1000		1000	1000	Shared w/B306242
B306237-BSD1	LCS Dup				1000		1000	1000	Shared w/B306242
B306237-MS1	Matrix Spike [22D1067-05]				515		1000	1000	1 jar split for MS/MSD / Sediment / Emulsion.
B306237-MSD1	Matrix Spike Dup [22D1067-05]				515		1000	1000	1 jar split for MS/MSD / Sediment / Emulsion.
22D1066-01	MW-01	04/29/22			1025			1000	report to MDL / Sediment / Emulsion.
22D1066-02	MW-02	04/29/22			1030			1000	report to MDL / Sediment / Emulsion.
22D1066-03	MW-03	04/29/22			975			1000	report to MDL (Sediment/Emulsion)
22D1067-03	MW-01	04/29/22			995			1000	report to MDL (Sediment/Emulsion)
22D1067-03RE1	MW-01	04/29/22			995			1000	report to MDL (Sediment/Emulsion)
22D1067-04	MW-02	04/29/22			940			1000	report to MDL (Sediment/Emulsion)
22D1067-04RE1	MW-02	04/29/22			940			1000	report to MDL (Sediment/Emulsion)
22D1067-05	MW-03				1000			1000	Added for BatchQC in: B306237
22D1067-05	MW-03				1000			1000	Added for BatchQC in: B306237
22D1067-05	MW-03	04/29/22			1000			1000	report to MDL / Sediment / Heavy emulsion.
22D1346-01	QNSB-WL-01	05/03/22			1000			1000	
22D1346-03	QNSB-MW-4	05/03/22			1010			1000	Emulsion
22D1346-04	QNSB-MW-3	05/03/22			960			1000	
22D1346-05	QNSB-MW-5	05/03/22			960			1000	

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Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

PREPARATION BENCH SHEET

Printed: 8/22/2022 8:48:43AM

B306237

Pace New England

Prepared using: SW-846 3510C

Analysis
625 Standard
8270 ASP DEC TCL
8270 PAH (SIM)

Matrix: Water

Surrogate Solution
2204073 Semi Surrogate 100-200ppm

Spiking Solution
2203410 8270/Svoa Spike-50 ppm

Lab Number	Sample ID and Source Sample	Due Date	Extract by	Prepared	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
22D1346-06	QNSB-MW-2	05/03/22			960			1000	Sediment
22D1346-07	Duplicate	05/03/22			960			1000	Sediment/emulsion

sdim b306393

Start Date/Time _____

StopDate/Time _____

Standard ID#	Description	Manufacture Lot#
2202402	Filter Paper (Fisher) 15.0cm	17398592, 17485
2203262	10N NaOH (Sodium Hydroxide)	Sodium Hydroxid
2203264	1:1 - Sulfuric Acid : DI Water	Sulfuric Acid /220
2203453	Acetone	218251, 219166
2204060	Methylene Chloride (200 L Drum)	ED789-US
2204172	Sodium Sulfate (Baked)	Sodium Sulfate/2

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Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Evaluate Continuing Calibration Report

1088

Data Path : C:\msdchem\1\data\F042522D\
Data File : F22S115002.D
Acq On : 25 Apr 2022 12:26 pm
Operator : IMR
Sample : DIOX 10ug/mL Inst : GCMSSV6
Misc : 2202048 exp 052722
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 14:47:55 2022
DataAcq Meth:D051518.M
Quant Method : C:\msdchem\1\methods\DQ020322diox.M
Quant Title :
QLast Update : Fri Feb 04 07:21:29 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	0#	-11.03#
2 S	1,4-Dioxane-d8	0.299	0.000	100.0#	0#	-7.87#
3 I	1,4-Dioxane-d8 (I.S.)	1.000	1.000	0.0	119	-0.02
4 T	1,4-Dioxane	1.075	1.049	2.4	119	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

1089

Data Path : C:\msdchem\1\data\F042522D\
Data File : F22S115002.D
Acq On : 25 Apr 2022 12:26 pm
Operator : IMR
Sample : DIOX 10ug/mL Inst : GCMSSV6
Misc : 2202048 exp 052722
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 14:47:55 2022
DataAcq Meth:D051518.M
Quant Method : C:\msdchem\1\methods\DQ020322diox.M
Quant Title :
QLast Update : Fri Feb 04 07:21:29 2022
Response via : Initial Calibration

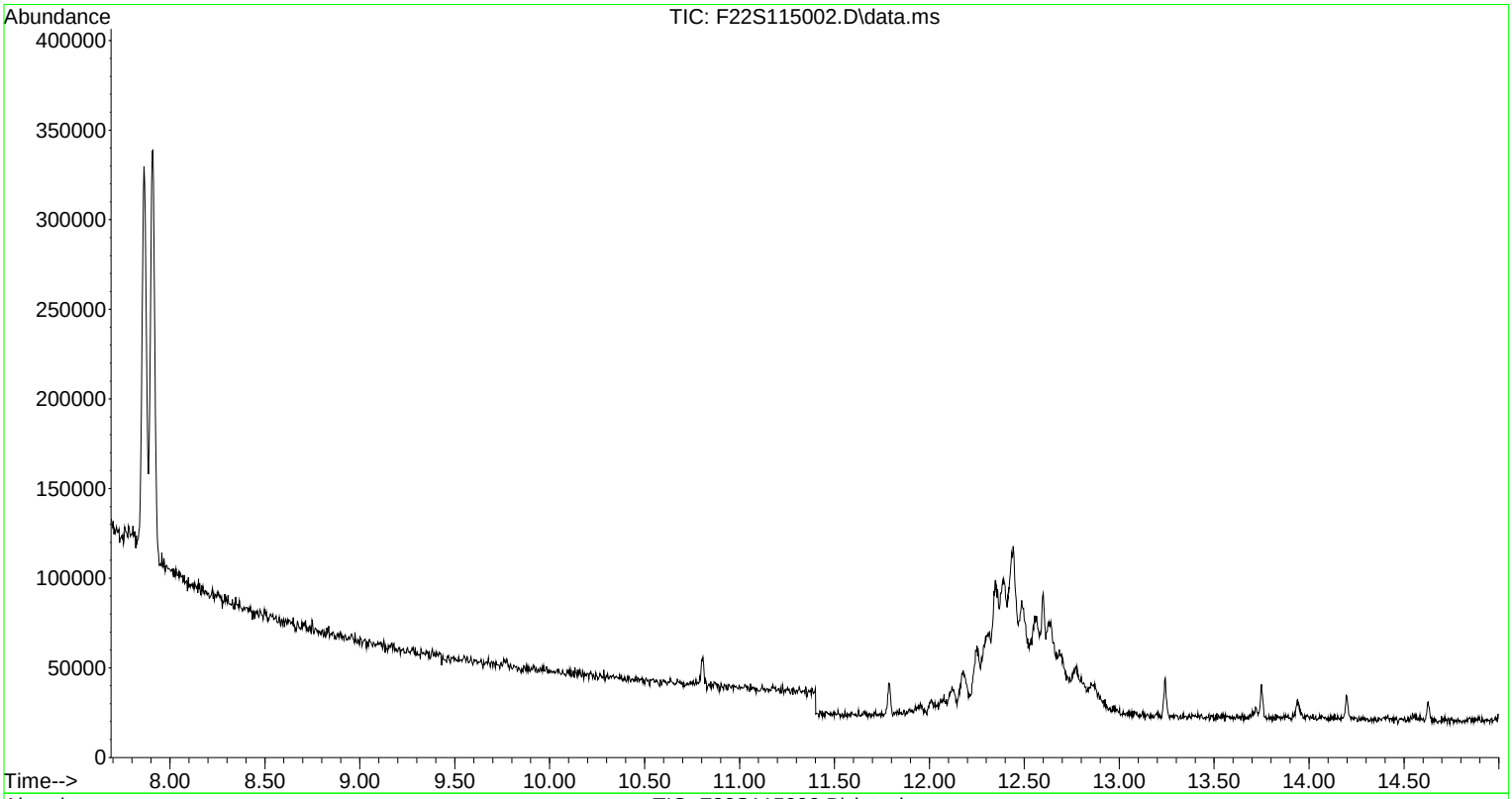
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	150	0m	10.000	ug/mL	-11.03
3) 1,4-Dioxane-d8 (I.S.)	7.864	96	168784	10.000	ug/mL	-0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	0.000	96	0d	0.000	ug/mL	
Target Compounds						Qvalue
4] 1,4-Dioxane	7.908	88	177055	9.755	ug/mL	95

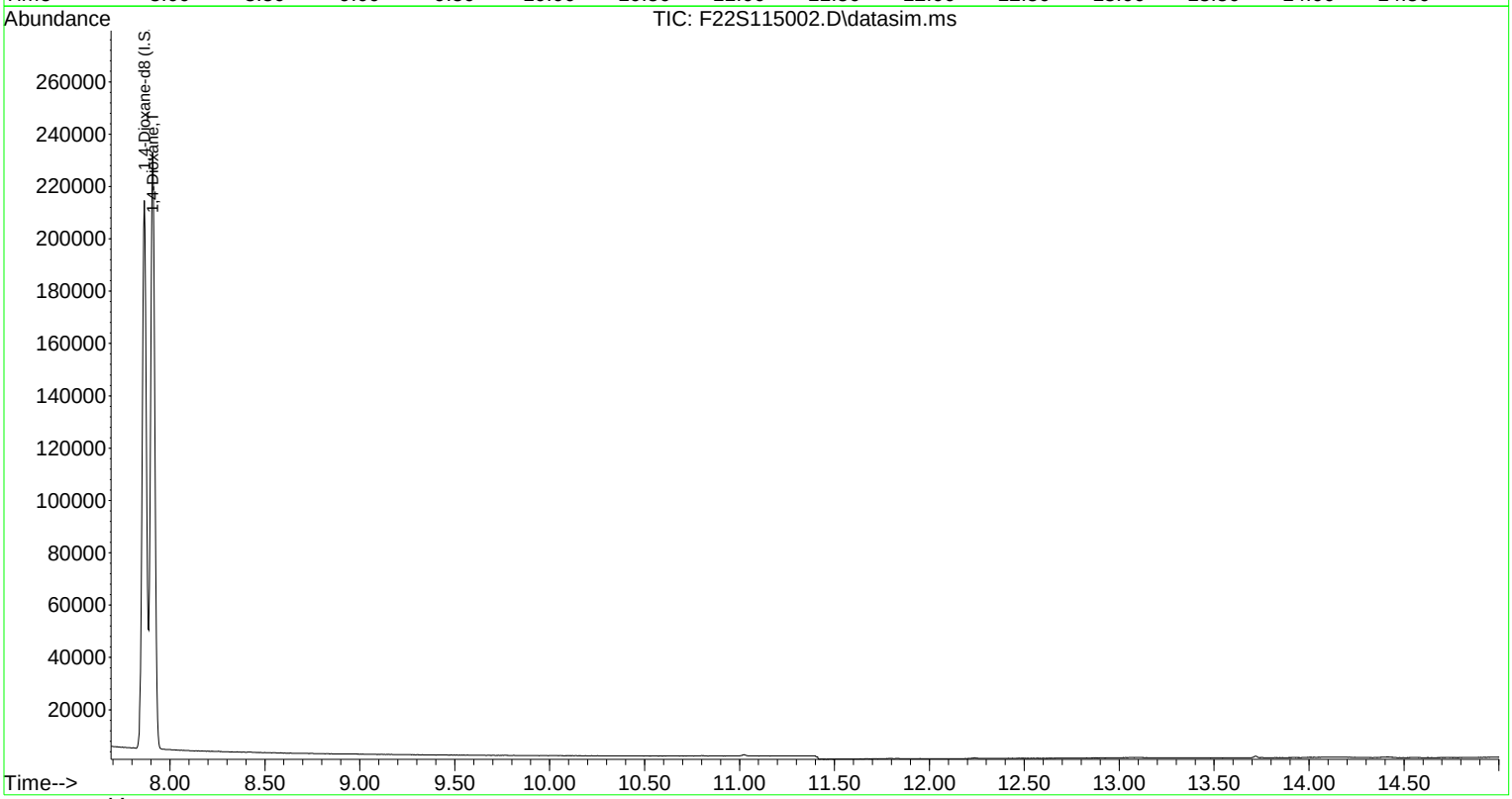
(#) = qualifier out of range (m) = manual integration (+) = signals summed

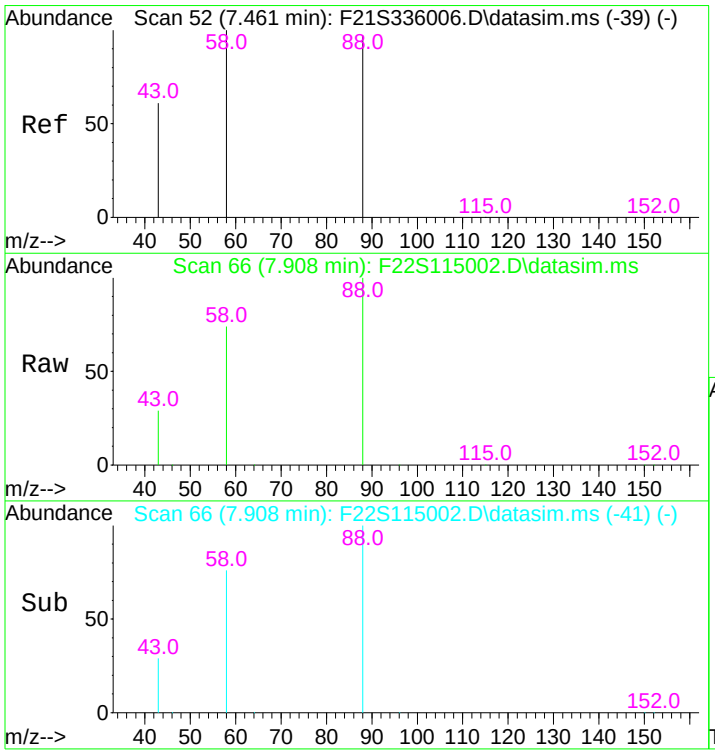
Data Path : C:\msdchem\1\data\F042522D\
Data File : F22S115002.D
Acq On : 25 Apr 2022 12:26 pm
Operator : IMR
Sample : DIOX 10ug/mL Inst : GCMSSV6
Misc : 2202048 exp 052722
ALS Vial : 2 Sample Multiplier: 1

1090

Quant Time: Apr 25 14:47:55 2022
DataAcq Meth:D051518.M
Quant Method : C:\msdchem\1\methods\DQ020322diox.M
Quant Title :
QLast Update : Fri Feb 04 07:21:29 2022
Response via : Initial Calibration



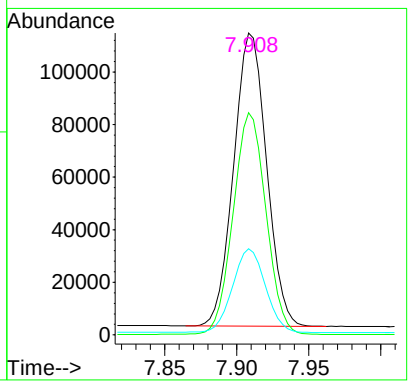




#4
1,4-Dioxane
Concen: 9.75 ug/mL
RT: 7.908 min Scan# 66
Delta R.T. -0.017 min
Lab File: F22S115002.D
Acq: 25 Apr 2022 12:26 pm

Tgt Ion: 88 Resp: 177055

Ion	Ratio	Lower	Upper
88	100		
58	75.4	53.6	99.6
43	28.3	24.7	45.9

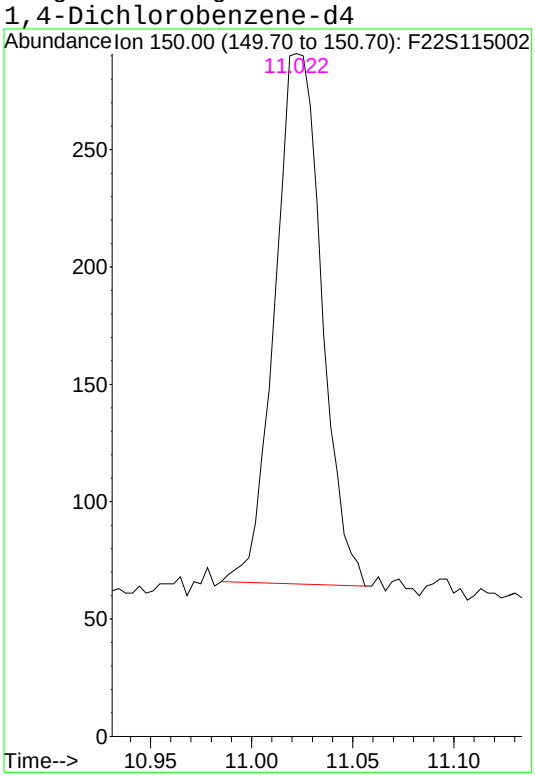


1091

Data Path : C:\msdchem\1\data\F042522D\
Data File : F22S115002.D
Acq On : 25 Apr 2022 12:26 pm
Operator : IMR
Sample : DIOX 10ug/mL
Misc : 2202048 exp 052722

Quant Time : Mon Apr 25 14:47:55 2022
Quant Method : C:\msdchem\1\methods\DQ020322diox.M
QLast Update : Fri Feb 04 07:21:29 2022

Original Integration
1,4-Dichlorobenzene-d4



Original Int. Results

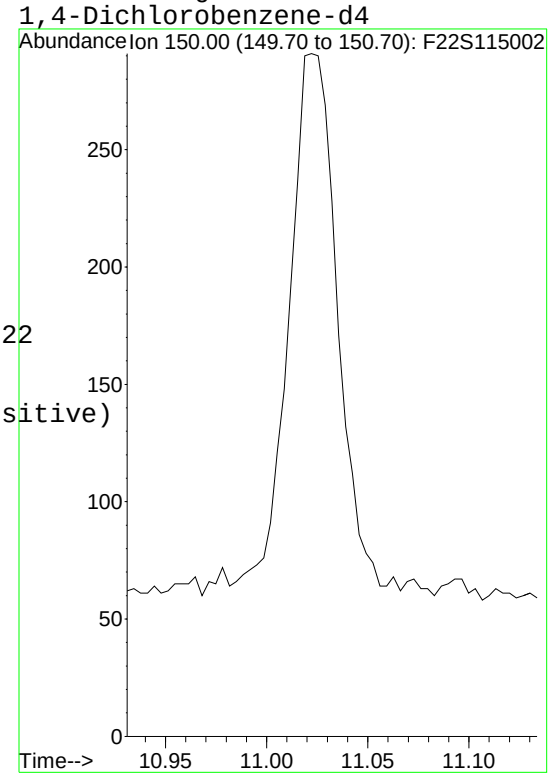
RT : 11.02
Area : 365
Amount: 10

Manual Int. Results

Mon Apr 25 14:47:55 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 10

Manual Integration
1,4-Dichlorobenzene-d4



6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Aroclor-1016 (1)												
Aroclor-1016 (2)												
Aroclor-1016 (3)												
Aroclor-1016 (4)												
Aroclor-1016 (5)												
Aroclor-1016 (1) [2C]												
Aroclor-1016 (2) [2C]												
Aroclor-1016 (3) [2C]												
Aroclor-1016 (4) [2C]												
Aroclor-1016 (5) [2C]												
Aroclor-1221 (1)	10	854987.4	20	818226.5	50	776947.6	100	779668	200	753000	500	688400
Aroclor-1221 (2)	10	567829.2	20	552478	50	525032.8	100	508695.1	200	482932.4	500	422600
Aroclor-1221 (3)	10	2120443	20	2007822	50	1868778	100	1779000	200	1693500	500	1488800
Aroclor-1221 (1) [2C]	10	3262915	20	3284095	50	3042000	100	3170000	200	2762500	500	2497400
Aroclor-1221 (2) [2C]	10	2432600	20	2269493	50	2078000	100	1928000	200	1763000	500	1530000
Aroclor-1221 (3) [2C]	10	8012791	20	7565000	50	6856000	100	6446000	200	6067001	500	5349400
Aroclor-1232 (1)												
Aroclor-1232 (2)												
Aroclor-1232 (3)												
Aroclor-1232 (4)												
Aroclor-1232 (5)												
Aroclor-1232 (1) [2C]												
Aroclor-1232 (2) [2C]												
Aroclor-1232 (3) [2C]												
Aroclor-1232 (4) [2C]												
Aroclor-1232 (5) [2C]												
Aroclor-1242 (1)												
Aroclor-1242 (2)												
Aroclor-1242 (3)												
Aroclor-1242 (4)												
Aroclor-1242 (5)												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

2520

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Aroclor-1242 (1) [2C]												
Aroclor-1242 (2) [2C]												
Aroclor-1242 (3) [2C]												
Aroclor-1242 (4) [2C]												
Aroclor-1242 (5) [2C]												
Aroclor-1248 (1)												
Aroclor-1248 (2)												
Aroclor-1248 (3)												
Aroclor-1248 (4)												
Aroclor-1248 (5)												
Aroclor-1248 (1) [2C]												
Aroclor-1248 (2) [2C]												
Aroclor-1248 (3) [2C]												
Aroclor-1248 (4) [2C]												
Aroclor-1248 (5) [2C]												
Aroclor-1254 (1)												
Aroclor-1254 (2)												
Aroclor-1254 (3)												
Aroclor-1254 (4)												
Aroclor-1254 (5)												
Aroclor-1254 (1) [2C]												
Aroclor-1254 (2) [2C]												
Aroclor-1254 (3) [2C]												
Aroclor-1254 (4) [2C]												
Aroclor-1254 (5) [2C]												
Aroclor-1260 (1)												
Aroclor-1260 (2)												
Aroclor-1260 (3)												
Aroclor-1260 (4)												
Aroclor-1260 (5)												
Aroclor-1260 (1) [2C]												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Aroclor-1260 (2) [2C]												
Aroclor-1260 (3) [2C]												
Aroclor-1260 (4) [2C]												
Aroclor-1260 (5) [2C]												
Aroclor-1262 (1)	10	1874005	20	1772956	50	1670685	100	1622000	200	1575500	500	1439800
Aroclor-1262 (2)	10	3121214	20	2879019	50	2684000	100	2578000	200	2496500	500	2260800
Aroclor-1262 (3)	10	4775613	20	4472373	50	4234000	100	4152000	200	4044500	500	3734000
Aroclor-1262 (4)	10	4132565	20	3881888	50	3672000	100	3517000	200	3462500	500	3328200
Aroclor-1262 (5)	10	7725125	20	7420000	50	7258000	100	7175001	200	7249500	500	6987000
Aroclor-1262 (1) [2C]	10	1.104E+07	20	9870000	50	9080000	100	8695000	200	8550000	500	7899600
Aroclor-1262 (2) [2C]	10	1.192E+07	20	1.091E+07	50	1.0108E+07	100	9846000	200	9607000	500	8971000
Aroclor-1262 (3) [2C]	10	1.423E+07	20	1.3385E+07	50	1.258E+07	100	1.2298E+07	200	1.22715E+07	500	1.1766E+07
Aroclor-1262 (4) [2C]	10	1.314E+07	20	1.222E+07	50	1.154E+07	100	1.1368E+07	200	1.13835E+07	500	1.0877E+07
Aroclor-1262 (5) [2C]	10	2.371E+07	20	2.275E+07	50	2.2224E+07	100	2.2406E+07	200	2.28825E+07	500	2.31342E+07
Aroclor-1268 (1)												
Aroclor-1268 (2)												
Aroclor-1268 (3)												
Aroclor-1268 (4)												
Aroclor-1268 (5)												
Aroclor-1268 (1) [2C]												
Aroclor-1268 (2) [2C]												
Aroclor-1268 (3) [2C]												
Aroclor-1268 (4) [2C]												
Aroclor-1268 (5) [2C]												
Decachlorobiphenyl												
Decachlorobiphenyl [2C]												
Tetrachloro-m-xylene												
Tetrachloro-m-xylene [2C]												

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Aroclor-1016 (1)			10	1188321	20	1128587	50	1030805	100	1025000	200	947500
Aroclor-1016 (2)			10	3524041	20	3417170	50	3166000	100	3247000	200	3092500
Aroclor-1016 (3)			10	2758640	20	2589403	50	2322000	100	2301000	200	2168500
Aroclor-1016 (4)			10	1623952	20	1493902	50	1377786	100	1385000	200	1335500
Aroclor-1016 (5)			10	2022425	20	1936376	50	1735988	100	1725000	200	1628000
Aroclor-1016 (1) [2C]			10	4757763	20	4523134	50	4046000	100	4207000	200	3688000
Aroclor-1016 (2) [2C]			10	1.426E+07	20	1.365E+07	50	1.2334E+07	100	1.3189E+07	200	1.2312E+07
Aroclor-1016 (3) [2C]			10	6384914	20	5660000	50	5374000	100	5325000	200	4935000
Aroclor-1016 (4) [2C]			10	5869654	20	5395000	50	4906000	100	4613000	200	4158500
Aroclor-1016 (5) [2C]			10	8193730	20	7800000	50	6918000	100	6407001	200	5907001
Aroclor-1221 (1)												
Aroclor-1221 (2)												
Aroclor-1221 (3)												
Aroclor-1221 (1) [2C]												
Aroclor-1221 (2) [2C]												
Aroclor-1221 (3) [2C]												
Aroclor-1232 (1)												
Aroclor-1232 (2)												
Aroclor-1232 (3)												
Aroclor-1232 (4)												
Aroclor-1232 (5)												
Aroclor-1232 (1) [2C]												
Aroclor-1232 (2) [2C]												
Aroclor-1232 (3) [2C]												
Aroclor-1232 (4) [2C]												
Aroclor-1232 (5) [2C]												
Aroclor-1242 (1)												
Aroclor-1242 (2)												
Aroclor-1242 (3)												
Aroclor-1242 (4)												
Aroclor-1242 (5)												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Aroclor-1242 (1) [2C]												
Aroclor-1242 (2) [2C]												
Aroclor-1242 (3) [2C]												
Aroclor-1242 (4) [2C]												
Aroclor-1242 (5) [2C]												
Aroclor-1248 (1)												
Aroclor-1248 (2)												
Aroclor-1248 (3)												
Aroclor-1248 (4)												
Aroclor-1248 (5)												
Aroclor-1248 (1) [2C]												
Aroclor-1248 (2) [2C]												
Aroclor-1248 (3) [2C]												
Aroclor-1248 (4) [2C]												
Aroclor-1248 (5) [2C]												
Aroclor-1254 (1)												
Aroclor-1254 (2)												
Aroclor-1254 (3)												
Aroclor-1254 (4)												
Aroclor-1254 (5)												
Aroclor-1254 (1) [2C]												
Aroclor-1254 (2) [2C]												
Aroclor-1254 (3) [2C]												
Aroclor-1254 (4) [2C]												
Aroclor-1254 (5) [2C]												
Aroclor-1260 (1)			10	3906586	20	3744294	50	3296000	100	3305000	200	3092500
Aroclor-1260 (2)			10	5775877	20	5545000	50	4880000	100	4942000	200	4653500
Aroclor-1260 (3)			10	3610143	20	3408489	50	3010000	100	3033000	200	2863500
Aroclor-1260 (4)			10	3604428	20	3425738	50	3044000	100	3079000	200	2905000
Aroclor-1260 (5)			10	7259383	20	7005000	50	6316000	100	6512000	200	6290500
Aroclor-1260 (1) [2C]			10	1.418E+07	20	1.3375E+07	50	1.1512E+07	100	1.1439E+07	200	1.04555E+07

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Aroclor-1260 (2) [2C]			10	1.824E+07	20	1.6335E+07	50	1.3828E+07	100	1.314E+07	200	1.2317E+07
Aroclor-1260 (3) [2C]			10	1.273E+07	20	1.1225E+07	50	9320000	100	9282000	200	8811500
Aroclor-1260 (4) [2C]			10	1.253E+07	20	1.1755E+07	50	1.0256E+07	100	1.0371E+07	200	9889500
Aroclor-1260 (5) [2C]			10	2.46E+07	20	2.2865E+07	50	2.0656E+07	100	2.147E+07	200	2.1043E+07
Aroclor-1262 (1)												
Aroclor-1262 (2)												
Aroclor-1262 (3)												
Aroclor-1262 (4)												
Aroclor-1262 (5)												
Aroclor-1262 (1) [2C]												
Aroclor-1262 (2) [2C]												
Aroclor-1262 (3) [2C]												
Aroclor-1262 (4) [2C]												
Aroclor-1262 (5) [2C]												
Aroclor-1268 (1)												
Aroclor-1268 (2)												
Aroclor-1268 (3)												
Aroclor-1268 (4)												
Aroclor-1268 (5)												
Aroclor-1268 (1) [2C]												
Aroclor-1268 (2) [2C]												
Aroclor-1268 (3) [2C]												
Aroclor-1268 (4) [2C]												
Aroclor-1268 (5) [2C]												
Decachlorobiphenyl	5	5.95E+07	10	5.417E+07	20	5.2375E+07	50	4.7162E+07	100	4.9642E+07	200	4.9467E+07
Decachlorobiphenyl [2C]	5	1.5496E+08	10	1.5486E+08	20	1.54615E+08	50	1.4683E+08	100	1.63861E+08	200	1.266585E+08
Tetrachloro-m-xylene	5	5.99E+07	10	6.029E+07	20	5.995E+07	50	4.9062E+07	100	5.9973E+07	200	5.72625E+07
Tetrachloro-m-xylene [2C]	5	2.6558E+08	10	2.8002E+08	20	2.74875E+08	50	2.62732E+08	100	2.42271E+08	200	1.863525E+08

6 - FORM VI

2525

INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC_TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
Aroclor-1016 (1)	500	859200										
Aroclor-1016 (2)	500	2881400										
Aroclor-1016 (3)	500	1996000										
Aroclor-1016 (4)	500	1262400										
Aroclor-1016 (5)	500	1510600										
Aroclor-1016 (1) [2C]	500	3195800										
Aroclor-1016 (2) [2C]	500	1.08776E+07										
Aroclor-1016 (3) [2C]	500	4578000										
Aroclor-1016 (4) [2C]	500	3760200										
Aroclor-1016 (5) [2C]	500	5447600										
Aroclor-1221 (1)												
Aroclor-1221 (2)												
Aroclor-1221 (3)												
Aroclor-1221 (1) [2C]												
Aroclor-1221 (2) [2C]												
Aroclor-1221 (3) [2C]												
Aroclor-1232 (1)			10	444452.2	20	458108.4	50	422474.2	100	420452.8	200	379579.6
Aroclor-1232 (2)			10	1213690	20	1243488	50	1280628	100	1247000	200	1216500
Aroclor-1232 (3)			10	552858.4	20	578292.5	50	578199.2	100	552240.4	200	531000
Aroclor-1232 (4)			10	494782	20	419017.4	50	390106.2	100	364683.3	200	345382.9
Aroclor-1232 (5)			10	419515.1	20	420744.3	50	444776	100	436363.4	200	408414.6
Aroclor-1232 (1) [2C]			10	1745668	20	1493565	50	1577822	100	1580000	200	1414000
Aroclor-1232 (2) [2C]			10	4951554	20	4669717	50	4692000	100	4661000	200	4454500
Aroclor-1232 (3) [2C]			10	2141877	20	2087166	50	2044000	100	1995000	200	1883000
Aroclor-1232 (4) [2C]			10	1799868	20	1927300	50	1832500	100	1729000	200	1590500
Aroclor-1232 (5) [2C]			10	2798895	20	2411672	50	2500000	100	2686000	200	2357000
Aroclor-1242 (1)												
Aroclor-1242 (2)												
Aroclor-1242 (3)												
Aroclor-1242 (4)												
Aroclor-1242 (5)												

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC_TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
Aroclor-1242 (1) [2C]												
Aroclor-1242 (2) [2C]												
Aroclor-1242 (3) [2C]												
Aroclor-1242 (4) [2C]												
Aroclor-1242 (5) [2C]												
Aroclor-1248 (1)												
Aroclor-1248 (2)												
Aroclor-1248 (3)												
Aroclor-1248 (4)												
Aroclor-1248 (5)												
Aroclor-1248 (1) [2C]												
Aroclor-1248 (2) [2C]												
Aroclor-1248 (3) [2C]												
Aroclor-1248 (4) [2C]												
Aroclor-1248 (5) [2C]												
Aroclor-1254 (1)												
Aroclor-1254 (2)												
Aroclor-1254 (3)												
Aroclor-1254 (4)												
Aroclor-1254 (5)												
Aroclor-1254 (1) [2C]												
Aroclor-1254 (2) [2C]												
Aroclor-1254 (3) [2C]												
Aroclor-1254 (4) [2C]												
Aroclor-1254 (5) [2C]												
Aroclor-1260 (1)	500	2884000										
Aroclor-1260 (2)	500	4377600										
Aroclor-1260 (3)	500	2725000										
Aroclor-1260 (4)	500	2821800										
Aroclor-1260 (5)	500	6285600										
Aroclor-1260 (1) [2C]	500	9875200										

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC_TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
Aroclor-1260 (2) [2C]	500	1.18362E+07										
Aroclor-1260 (3) [2C]	500	8572000										
Aroclor-1260 (4) [2C]	500	9647200										
Aroclor-1260 (5) [2C]	500	2.18182E+07										
Aroclor-1262 (1)												
Aroclor-1262 (2)												
Aroclor-1262 (3)												
Aroclor-1262 (4)												
Aroclor-1262 (5)												
Aroclor-1262 (1) [2C]												
Aroclor-1262 (2) [2C]												
Aroclor-1262 (3) [2C]												
Aroclor-1262 (4) [2C]												
Aroclor-1262 (5) [2C]												
Aroclor-1268 (1)			10	8424758	20	8330000	50	7638000	100	7599001	200	7313000
Aroclor-1268 (2)			10	8235911	20	7910000	50	7450000	100	7454000	200	7219001
Aroclor-1268 (3)			10	7120559	20	6645000	50	6130000	100	6191001	200	5850000
Aroclor-1268 (4)			10	3273139	20	3813077	50	2994000	100	3283000	200	2732000
Aroclor-1268 (5)			10	2.049E+07	20	2.144E+07	50	1.8864E+07	100	1.877E+07	200	1.92445E+07
Aroclor-1268 (1) [2C]			10	2.481E+07	20	2.4615E+07	50	2.394E+07	100	2.4744E+07	200	2.37425E+07
Aroclor-1268 (2) [2C]			10	2.474E+07	20	2.528E+07	50	2.3932E+07	100	2.43E+07	200	2.2898E+07
Aroclor-1268 (3) [2C]			10	1.98E+07	20	2.1115E+07	50	1.9608E+07	100	1.8924E+07	200	1.89895E+07
Aroclor-1268 (4) [2C]			10	1.029E+07	20	7510000	50	7202000	100	7630000	200	7206500
Aroclor-1268 (5) [2C]			10	6.123E+07	20	6.309E+07	50	6.1862E+07	100	6.2442E+07	200	6.43845E+07
Decachlorobiphenyl	500	~~4.52986E+07~~										
Decachlorobiphenyl [2C]	500	~~7.43102E+07~~										
Tetrachloro-m-xylene	500	~~5.07516E+07~~										
Tetrachloro-m-xylene [2C]	500	~~9.75432E+07~~										

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
		RF		RF		RF		RF		RF		RF
Aroclor-1016 (1)												
Aroclor-1016 (2)												
Aroclor-1016 (3)												
Aroclor-1016 (4)												
Aroclor-1016 (5)												
Aroclor-1016 (1) [2C]												
Aroclor-1016 (2) [2C]												
Aroclor-1016 (3) [2C]												
Aroclor-1016 (4) [2C]												
Aroclor-1016 (5) [2C]												
Aroclor-1221 (1)												
Aroclor-1221 (2)												
Aroclor-1221 (3)												
Aroclor-1221 (1) [2C]												
Aroclor-1221 (2) [2C]												
Aroclor-1221 (3) [2C]												
Aroclor-1232 (1)	500	359000										
Aroclor-1232 (2)	500	1138600										
Aroclor-1232 (3)	500	498000										
Aroclor-1232 (4)	500	320200										
Aroclor-1232 (5)	500	386600										
Aroclor-1232 (1) [2C]	500	1305400										
Aroclor-1232 (2) [2C]	500	4249000										
Aroclor-1232 (3) [2C]	500	1781800										
Aroclor-1232 (4) [2C]	500	1456600										
Aroclor-1232 (5) [2C]	500	2169400										
Aroclor-1242 (1)			10	639551.8	20	893607	50	862756.6	100	754802	200	695500
Aroclor-1242 (2)			10	1861598	20	2705656	50	2710000	100	2431000	200	2307500
Aroclor-1242 (3)			10	1435573	20	2056635	50	1985350	100	1750000	200	1625500
Aroclor-1242 (4)			10	820256.7	20	1167234	50	1159259	100	1040000	200	981000
Aroclor-1242 (5)			10	666858.6	20	994753.5	50	975641.8	100	867694.5	200	810000

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
		RF		RF		RF		RF		RF		RF
Aroclor-1242 (1) [2C]			10	2533279	20	3408423	50	3262000	100	2829000	200	2586000
Aroclor-1242 (2) [2C]			10	7490850	20	1.0355E+07	50	1.0084E+07	100	8931000	200	8404000
Aroclor-1242 (3) [2C]			10	3043516	20	4423782	50	4270000	100	3754000	200	3600000
Aroclor-1242 (4) [2C]			10	2970968	20	4318387	50	3956000	100	3418000	200	3188000
Aroclor-1242 (5) [2C]			10	4348663	20	5910000	50	5722000	100	4972000	200	4636000
Aroclor-1248 (1)												
Aroclor-1248 (2)												
Aroclor-1248 (3)												
Aroclor-1248 (4)												
Aroclor-1248 (5)												
Aroclor-1248 (1) [2C]												
Aroclor-1248 (2) [2C]												
Aroclor-1248 (3) [2C]												
Aroclor-1248 (4) [2C]												
Aroclor-1248 (5) [2C]												
Aroclor-1254 (1)												
Aroclor-1254 (2)												
Aroclor-1254 (3)												
Aroclor-1254 (4)												
Aroclor-1254 (5)												
Aroclor-1254 (1) [2C]												
Aroclor-1254 (2) [2C]												
Aroclor-1254 (3) [2C]												
Aroclor-1254 (4) [2C]												
Aroclor-1254 (5) [2C]												
Aroclor-1260 (1)												
Aroclor-1260 (2)												
Aroclor-1260 (3)												
Aroclor-1260 (4)												
Aroclor-1260 (5)												
Aroclor-1260 (1) [2C]												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
		RF		RF		RF		RF		RF		RF
Aroclor-1260 (2) [2C]												
Aroclor-1260 (3) [2C]												
Aroclor-1260 (4) [2C]												
Aroclor-1260 (5) [2C]												
Aroclor-1262 (1)												
Aroclor-1262 (2)												
Aroclor-1262 (3)												
Aroclor-1262 (4)												
Aroclor-1262 (5)												
Aroclor-1262 (1) [2C]												
Aroclor-1262 (2) [2C]												
Aroclor-1262 (3) [2C]												
Aroclor-1262 (4) [2C]												
Aroclor-1262 (5) [2C]												
Aroclor-1268 (1)	500	7277400										
Aroclor-1268 (2)	500	7089800										
Aroclor-1268 (3)	500	5740400										
Aroclor-1268 (4)	500	2549600										
Aroclor-1268 (5)	500	1.90568E+07										
Aroclor-1268 (1) [2C]	500	2.51228E+07										
Aroclor-1268 (2) [2C]	500	2.32526E+07										
Aroclor-1268 (3) [2C]	500	1.88288E+07										
Aroclor-1268 (4) [2C]	500	7535800										
Aroclor-1268 (5) [2C]	500	4.96456E+07										
Decachlorobiphenyl												
Decachlorobiphenyl [2C]												
Tetrachloro-m-xylene												
Tetrachloro-m-xylene [2C]												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 25		Level 26		Level 27		Level 28		Level 29		Level 30	
		RF		RF		RF		RF		RF		RF
Aroclor-1016 (1)												
Aroclor-1016 (2)												
Aroclor-1016 (3)												
Aroclor-1016 (4)												
Aroclor-1016 (5)												
Aroclor-1016 (1) [2C]												
Aroclor-1016 (2) [2C]												
Aroclor-1016 (3) [2C]												
Aroclor-1016 (4) [2C]												
Aroclor-1016 (5) [2C]												
Aroclor-1221 (1)												
Aroclor-1221 (2)												
Aroclor-1221 (3)												
Aroclor-1221 (1) [2C]												
Aroclor-1221 (2) [2C]												
Aroclor-1221 (3) [2C]												
Aroclor-1232 (1)												
Aroclor-1232 (2)												
Aroclor-1232 (3)												
Aroclor-1232 (4)												
Aroclor-1232 (5)												
Aroclor-1232 (1) [2C]												
Aroclor-1232 (2) [2C]												
Aroclor-1232 (3) [2C]												
Aroclor-1232 (4) [2C]												
Aroclor-1232 (5) [2C]												
Aroclor-1242 (1)	500	651000										
Aroclor-1242 (2)	500	2159600										
Aroclor-1242 (3)	500	1499400										
Aroclor-1242 (4)	500	931800										
Aroclor-1242 (5)	500	764800										

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 25		Level 26		Level 27		Level 28		Level 29		Level 30	
		RF		RF		RF		RF		RF		RF
Aroclor-1242 (1) [2C]	500	2416800										
Aroclor-1242 (2) [2C]	500	8215800										
Aroclor-1242 (3) [2C]	500	3425400										
Aroclor-1242 (4) [2C]	500	2952400										
Aroclor-1242 (5) [2C]	500	4286800										
Aroclor-1248 (1)			10	1440708	20	1398663	50	1365328	100	1411000	200	1366000
Aroclor-1248 (2)			10	1862124	20	1723091	50	1583253	100	1568000	200	1469000
Aroclor-1248 (3)			10	2247178	20	2158757	50	2094000	100	2116000	200	1992500
Aroclor-1248 (4)			10	2584598	20	2258920	50	2346000	100	2430000	200	2297500
Aroclor-1248 (5)			10	2161784	20	1831791	50	1886610	100	2052000	200	1910500
Aroclor-1248 (1) [2C]			10	1379529	20	1302306	50	1250346	100	1232000	200	1305000
Aroclor-1248 (2) [2C]			10	6460741	20	6590000	50	5790000	100	5802000	200	5571001
Aroclor-1248 (3) [2C]			10	8443418	20	8595000	50	7722000	100	7675001	200	7354500
Aroclor-1248 (4) [2C]			10	9185995	20	1.1325E+07	50	8636000	100	8675000	200	8335500
Aroclor-1248 (5) [2C]			10	1.059E+07	20	1.329E+07	50	9880000	100	9863000	200	9433000
Aroclor-1254 (1)												
Aroclor-1254 (2)												
Aroclor-1254 (3)												
Aroclor-1254 (4)												
Aroclor-1254 (5)												
Aroclor-1254 (1) [2C]												
Aroclor-1254 (2) [2C]												
Aroclor-1254 (3) [2C]												
Aroclor-1254 (4) [2C]												
Aroclor-1254 (5) [2C]												
Aroclor-1260 (1)												
Aroclor-1260 (2)												
Aroclor-1260 (3)												
Aroclor-1260 (4)												
Aroclor-1260 (5)												
Aroclor-1260 (1) [2C]												

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 25		Level 26		Level 27		Level 28		Level 29		Level 30	
		RF		RF		RF		RF		RF		RF
Aroclor-1260 (2) [2C]												
Aroclor-1260 (3) [2C]												
Aroclor-1260 (4) [2C]												
Aroclor-1260 (5) [2C]												
Aroclor-1262 (1)												
Aroclor-1262 (2)												
Aroclor-1262 (3)												
Aroclor-1262 (4)												
Aroclor-1262 (5)												
Aroclor-1262 (1) [2C]												
Aroclor-1262 (2) [2C]												
Aroclor-1262 (3) [2C]												
Aroclor-1262 (4) [2C]												
Aroclor-1262 (5) [2C]												
Aroclor-1268 (1)												
Aroclor-1268 (2)												
Aroclor-1268 (3)												
Aroclor-1268 (4)												
Aroclor-1268 (5)												
Aroclor-1268 (1) [2C]												
Aroclor-1268 (2) [2C]												
Aroclor-1268 (3) [2C]												
Aroclor-1268 (4) [2C]												
Aroclor-1268 (5) [2C]												
Decachlorobiphenyl												
Decachlorobiphenyl [2C]												
Tetrachloro-m-xylene												
Tetrachloro-m-xylene [2C]												

6 - FORM VI

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INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 31		Level 32		Level 33		Level 34		Level 35		Level 36	
		RF		RF		RF		RF		RF		RF
Aroclor-1016 (1)												
Aroclor-1016 (2)												
Aroclor-1016 (3)												
Aroclor-1016 (4)												
Aroclor-1016 (5)												
Aroclor-1016 (1) [2C]												
Aroclor-1016 (2) [2C]												
Aroclor-1016 (3) [2C]												
Aroclor-1016 (4) [2C]												
Aroclor-1016 (5) [2C]												
Aroclor-1221 (1)												
Aroclor-1221 (2)												
Aroclor-1221 (3)												
Aroclor-1221 (1) [2C]												
Aroclor-1221 (2) [2C]												
Aroclor-1221 (3) [2C]												
Aroclor-1232 (1)												
Aroclor-1232 (2)												
Aroclor-1232 (3)												
Aroclor-1232 (4)												
Aroclor-1232 (5)												
Aroclor-1232 (1) [2C]												
Aroclor-1232 (2) [2C]												
Aroclor-1232 (3) [2C]												
Aroclor-1232 (4) [2C]												
Aroclor-1232 (5) [2C]												
Aroclor-1242 (1)												
Aroclor-1242 (2)												
Aroclor-1242 (3)												
Aroclor-1242 (4)												
Aroclor-1242 (5)												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 31		Level 32		Level 33		Level 34		Level 35		Level 36	
		RF		RF		RF		RF		RF		RF
Aroclor-1242 (1) [2C]												
Aroclor-1242 (2) [2C]												
Aroclor-1242 (3) [2C]												
Aroclor-1242 (4) [2C]												
Aroclor-1242 (5) [2C]												
Aroclor-1248 (1)	500	1275600										
Aroclor-1248 (2)	500	1299200										
Aroclor-1248 (3)	500	1819000										
Aroclor-1248 (4)	500	2136000										
Aroclor-1248 (5)	500	1858800										
Aroclor-1248 (1) [2C]	500	1065800										
Aroclor-1248 (2) [2C]	500	4987200										
Aroclor-1248 (3) [2C]	500	6637200										
Aroclor-1248 (4) [2C]	500	7633400										
Aroclor-1248 (5) [2C]	500	8651201										
Aroclor-1254 (1)			10	2120931	20	2215219	50	1875197	100	1848000	200	2002500
Aroclor-1254 (2)			10	2338974	20	2303601	50	2008000	100	1996000	200	2184000
Aroclor-1254 (3)			10	3742786	20	4794311	50	3420000	100	3393000	200	3722000
Aroclor-1254 (4)			10	2710495	20	2894074	50	2576000	100	2578000	200	2847000
Aroclor-1254 (5)			10	3812516	20	3651772	50	3224000	100	3095000	200	3398500
Aroclor-1254 (1) [2C]			10	7982239	20	8875000	50	7606000	100	7331001	200	8025500
Aroclor-1254 (2) [2C]			10	7454488	20	1.0045E+07	50	6992000	100	7047001	200	7551001
Aroclor-1254 (3) [2C]			10	1.335E+07	20	1.5105E+07	50	1.2092E+07	100	1.2111E+07	200	1.4764E+07
Aroclor-1254 (4) [2C]			10	6465406	20	7350000	50	5512000	100	5456000	200	6138500
Aroclor-1254 (5) [2C]			10	1.128E+07	20	1.518E+07	50	1.1894E+07	100	9878000	200	1.3206E+07
Aroclor-1260 (1)												
Aroclor-1260 (2)												
Aroclor-1260 (3)												
Aroclor-1260 (4)												
Aroclor-1260 (5)												
Aroclor-1260 (1) [2C]												

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INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 31		Level 32		Level 33		Level 34		Level 35		Level 36	
		RF		RF		RF		RF		RF		RF
Aroclor-1260 (2) [2C]												
Aroclor-1260 (3) [2C]												
Aroclor-1260 (4) [2C]												
Aroclor-1260 (5) [2C]												
Aroclor-1262 (1)												
Aroclor-1262 (2)												
Aroclor-1262 (3)												
Aroclor-1262 (4)												
Aroclor-1262 (5)												
Aroclor-1262 (1) [2C]												
Aroclor-1262 (2) [2C]												
Aroclor-1262 (3) [2C]												
Aroclor-1262 (4) [2C]												
Aroclor-1262 (5) [2C]												
Aroclor-1268 (1)												
Aroclor-1268 (2)												
Aroclor-1268 (3)												
Aroclor-1268 (4)												
Aroclor-1268 (5)												
Aroclor-1268 (1) [2C]												
Aroclor-1268 (2) [2C]												
Aroclor-1268 (3) [2C]												
Aroclor-1268 (4) [2C]												
Aroclor-1268 (5) [2C]												
Decachlorobiphenyl												
Decachlorobiphenyl [2C]												
Tetrachloro-m-xylene												
Tetrachloro-m-xylene [2C]												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 37		Level 38		Level 39		Level 40		Level 41		Level 42	
		RF		RF		RF		RF		RF		RF
Aroclor-1016 (1)												
Aroclor-1016 (2)												
Aroclor-1016 (3)												
Aroclor-1016 (4)												
Aroclor-1016 (5)												
Aroclor-1016 (1) [2C]												
Aroclor-1016 (2) [2C]												
Aroclor-1016 (3) [2C]												
Aroclor-1016 (4) [2C]												
Aroclor-1016 (5) [2C]												
Aroclor-1221 (1)												
Aroclor-1221 (2)												
Aroclor-1221 (3)												
Aroclor-1221 (1) [2C]												
Aroclor-1221 (2) [2C]												
Aroclor-1221 (3) [2C]												
Aroclor-1232 (1)												
Aroclor-1232 (2)												
Aroclor-1232 (3)												
Aroclor-1232 (4)												
Aroclor-1232 (5)												
Aroclor-1232 (1) [2C]												
Aroclor-1232 (2) [2C]												
Aroclor-1232 (3) [2C]												
Aroclor-1232 (4) [2C]												
Aroclor-1232 (5) [2C]												
Aroclor-1242 (1)												
Aroclor-1242 (2)												
Aroclor-1242 (3)												
Aroclor-1242 (4)												
Aroclor-1242 (5)												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 37		Level 38		Level 39		Level 40		Level 41		Level 42	
		RF		RF		RF		RF		RF		RF
Aroclor-1242 (1) [2C]												
Aroclor-1242 (2) [2C]												
Aroclor-1242 (3) [2C]												
Aroclor-1242 (4) [2C]												
Aroclor-1242 (5) [2C]												
Aroclor-1248 (1)												
Aroclor-1248 (2)												
Aroclor-1248 (3)												
Aroclor-1248 (4)												
Aroclor-1248 (5)												
Aroclor-1248 (1) [2C]												
Aroclor-1248 (2) [2C]												
Aroclor-1248 (3) [2C]												
Aroclor-1248 (4) [2C]												
Aroclor-1248 (5) [2C]												
Aroclor-1254 (1)	500	1695000										
Aroclor-1254 (2)	500	1886600										
Aroclor-1254 (3)	500	3203200										
Aroclor-1254 (4)	500	2447600										
Aroclor-1254 (5)	500	2993400										
Aroclor-1254 (1) [2C]	500	6772400										
Aroclor-1254 (2) [2C]	500	6437400										
Aroclor-1254 (3) [2C]	500	1.15334E+07										
Aroclor-1254 (4) [2C]	500	5031800										
Aroclor-1254 (5) [2C]	500	1.14688E+07										
Aroclor-1260 (1)												
Aroclor-1260 (2)												
Aroclor-1260 (3)												
Aroclor-1260 (4)												
Aroclor-1260 (5)												
Aroclor-1260 (1) [2C]												

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Client: NYDEC TRC Environmental Corporation- Clifton Park SDG: 22D1346

Project: Queensbury Landfill - CO 141573

Calibration: 2200160 Instrument: ECD 9

Calibration Date: 4/1/2022 12:00:51AM

Compound	Level 37		Level 38		Level 39		Level 40		Level 41		Level 42	
		RF		RF		RF		RF		RF		RF
Aroclor-1260 (2) [2C]												
Aroclor-1260 (3) [2C]												
Aroclor-1260 (4) [2C]												
Aroclor-1260 (5) [2C]												
Aroclor-1262 (1)												
Aroclor-1262 (2)												
Aroclor-1262 (3)												
Aroclor-1262 (4)												
Aroclor-1262 (5)												
Aroclor-1262 (1) [2C]												
Aroclor-1262 (2) [2C]												
Aroclor-1262 (3) [2C]												
Aroclor-1262 (4) [2C]												
Aroclor-1262 (5) [2C]												
Aroclor-1268 (1)												
Aroclor-1268 (2)												
Aroclor-1268 (3)												
Aroclor-1268 (4)												
Aroclor-1268 (5)												
Aroclor-1268 (1) [2C]												
Aroclor-1268 (2) [2C]												
Aroclor-1268 (3) [2C]												
Aroclor-1268 (4) [2C]												
Aroclor-1268 (5) [2C]												
Decachlorobiphenyl												
Decachlorobiphenyl [2C]												
Tetrachloro-m-xylene												
Tetrachloro-m-xylene [2C]												

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200160	Instrument:	ECD 9
		Calibration Date:	4/1/2022 12:00:51AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Aroclor-1016 (1)	1029902	11.6			20	
Aroclor-1016 (2)	3221352	7.2			20	
Aroclor-1016 (3)	2355924	11.8			20	
Aroclor-1016 (4)	1413090	9.0			20	
Aroclor-1016 (5)	1759731	10.8			20	
Aroclor-1016 (1) [2C]	4069616	13.9			20	
Aroclor-1016 (2) [2C]	1.277043E+07	9.4			20	
Aroclor-1016 (3) [2C]	5376152	11.6			20	
Aroclor-1016 (4) [2C]	4783726	16.3			20	
Aroclor-1016 (5) [2C]	6778888	15.8			20	
Aroclor-1221 (1)	778538.3	7.3			20	
Aroclor-1221 (2)	509927.9	10.3			20	
Aroclor-1221 (3)	1826391	12.4			20	
Aroclor-1221 (1) [2C]	3003152	10.4			20	
Aroclor-1221 (2) [2C]	2000182	16.6			20	
Aroclor-1221 (3) [2C]	6716032	14.6			20	
Aroclor-1232 (1)	414011.2	9.2			20	
Aroclor-1232 (2)	1223318	3.9			20	
Aroclor-1232 (3)	548431.8	5.6			20	
Aroclor-1232 (4)	389028.6	16.0			20	
Aroclor-1232 (5)	419402.2	4.9			20	
Aroclor-1232 (1) [2C]	1519409	10.0			20	
Aroclor-1232 (2) [2C]	4612962	5.2			20	
Aroclor-1232 (3) [2C]	1988807	6.8			20	
Aroclor-1232 (4) [2C]	1722628	10.0			20	
Aroclor-1232 (5) [2C]	2487161	9.2			20	
Aroclor-1242 (1)	749536.2	14.4			20	
Aroclor-1242 (2)	2362559	13.9			20	
Aroclor-1242 (3)	1725410	14.7			20	
Aroclor-1242 (4)	1016592	13.2			20	
Aroclor-1242 (5)	846624.7	14.9			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200160	Instrument:	ECD 9
		Calibration Date:	4/1/2022 12:00:51AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Aroclor-1242 (1) [2C]	2839250	14.4			20	
Aroclor-1242 (2) [2C]	8913442	12.5			20	
Aroclor-1242 (3) [2C]	3752783	13.9			20	
Aroclor-1242 (4) [2C]	3467293	16.1			20	
Aroclor-1242 (5) [2C]	4979244	14.0			20	
Aroclor-1248 (1)	1376216	4.1			20	
Aroclor-1248 (2)	1584111	12.3			20	
Aroclor-1248 (3)	2071239	7.2			20	
Aroclor-1248 (4)	2342170	6.6			20	
Aroclor-1248 (5)	1950247	6.6			20	
Aroclor-1248 (1) [2C]	1255830	8.5			20	
Aroclor-1248 (2) [2C]	5866824	10.1			20	
Aroclor-1248 (3) [2C]	7737853	9.3			20	
Aroclor-1248 (4) [2C]	8965149	14.1			20	
Aroclor-1248 (5) [2C]	1.028453E+07	15.6			20	
Aroclor-1254 (1)	1959475	9.8			20	
Aroclor-1254 (2)	2119529	8.7			20	
Aroclor-1254 (3)	3712550	15.3			20	
Aroclor-1254 (4)	2675528	6.5			20	
Aroclor-1254 (5)	3362531	9.5			20	
Aroclor-1254 (1) [2C]	7765357	9.2			20	
Aroclor-1254 (2) [2C]	7587815	16.7			20	
Aroclor-1254 (3) [2C]	1.315923E+07	11.4			20	
Aroclor-1254 (4) [2C]	5992284	14.0			20	
Aroclor-1254 (5) [2C]	1.215113E+07	15.1			20	
Aroclor-1260 (1)	3371397	11.5			20	
Aroclor-1260 (2)	5028996	10.6			20	
Aroclor-1260 (3)	3108355	10.8			20	
Aroclor-1260 (4)	3146661	9.7			20	
Aroclor-1260 (5)	6611414	6.3			20	
Aroclor-1260 (1) [2C]	1.180612E+07	14.1			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200160	Instrument:	ECD 9
		Calibration Date:	4/1/2022 12:00:51AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Aroclor-1260 (2) [2C]	1.42827E+07	17.5			20	
Aroclor-1260 (3) [2C]	9990083	16.4			20	
Aroclor-1260 (4) [2C]	1.074145E+07	10.6			20	
Aroclor-1260 (5) [2C]	2.207537E+07	6.6			20	
Aroclor-1262 (1)	1659158	9.2			20	
Aroclor-1262 (2)	2669922	11.3			20	
Aroclor-1262 (3)	4235414	8.5			20	
Aroclor-1262 (4)	3665692	8.1			20	
Aroclor-1262 (5)	7302438	3.4			20	
Aroclor-1262 (1) [2C]	9189100	12.1			20	
Aroclor-1262 (2) [2C]	1.0227E+07	10.2			20	
Aroclor-1262 (3) [2C]	1.275508E+07	7.0			20	
Aroclor-1262 (4) [2C]	1.175475E+07	6.8			20	
Aroclor-1262 (5) [2C]	2.285112E+07	2.3			20	
Aroclor-1268 (1)	7763693	6.4			20	
Aroclor-1268 (2)	7559785	5.7			20	
Aroclor-1268 (3)	6279493	8.3			20	
Aroclor-1268 (4)	3107469	14.5			20	
Aroclor-1268 (5)	1.964422E+07	5.5			20	
Aroclor-1268 (1) [2C]	2.449572E+07	2.2			20	
Aroclor-1268 (2) [2C]	2.40671E+07	3.7			20	
Aroclor-1268 (3) [2C]	1.954422E+07	4.4			20	
Aroclor-1268 (4) [2C]	7895717	15.0			20	
Aroclor-1268 (5) [2C]	6.044235E+07	8.9			20	
Decachlorobiphenyl	5.205267E+07	8.4			20	
Decachlorobiphenyl [2C]	1.502974E+08	8.5			20	
Tetrachloro-m-xylene	5.773958E+07	7.6			20	
Tetrachloro-m-xylene [2C]	2.519718E+08	13.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200180	Instrument:	ECD1
		Calibration Date:	4/12/2022 8:18:43AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Aroclor-1016 (1)	342536.2	11.3			20	
Aroclor-1016 (2)	1015120	6.2			20	
Aroclor-1016 (3)	671892.2	7.0			20	
Aroclor-1016 (4)	453159	7.6			20	
Aroclor-1016 (5)	599274	9.2			20	
Aroclor-1016 (1) [2C]	248525.6	13.0			20	
Aroclor-1016 (2) [2C]	659786.7	10.8			20	
Aroclor-1016 (3) [2C]	297589	10.1			20	
Aroclor-1016 (4) [2C]	285722.8	13.8			20	
Aroclor-1016 (5) [2C]	406278	11.8			20	
Aroclor-1221 (1)	268669.6	8.5			20	
Aroclor-1221 (2)	174844.8	8.4			20	
Aroclor-1221 (3)	631325.8	9.6			20	
Aroclor-1221 (1) [2C]	201364.8	9.8			20	
Aroclor-1221 (2) [2C]	131548.3	11.9			20	
Aroclor-1221 (3) [2C]	446148.7	9.4			20	
Aroclor-1232 (1)	423396.2	7.6			20	
Aroclor-1232 (2)	194627	8.0			20	
Aroclor-1232 (3)	246443.7	15.9			20	
Aroclor-1232 (4)	157783.6	8.6			20	
Aroclor-1232 (5)	257708.2	10.5			20	
Aroclor-1232 (1) [2C]	296707.8	10.9			20	
Aroclor-1232 (2) [2C]	130581.3	12.2			20	
Aroclor-1232 (3) [2C]	126746.5	13.4			20	
Aroclor-1232 (4) [2C]	189971.4	13.6			20	
Aroclor-1232 (5) [2C]	162386.5	14.6			20	
Aroclor-1242 (1)	270292.4	11.5			20	
Aroclor-1242 (2)	782919.7	6.4			20	
Aroclor-1242 (3)	539409.1	11.1			20	
Aroclor-1242 (4)	491749.6	11.7			20	
Aroclor-1242 (5)	456797.6	13.9			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200180	Instrument:	ECD1
		Calibration Date:	4/12/2022 8:18:43AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Aroclor-1242 (1) [2C]	196790.6	11.7			20	
Aroclor-1242 (2) [2C]	519945.5	11.0			20	
Aroclor-1242 (3) [2C]	232600.2	7.9			20	
Aroclor-1242 (4) [2C]	239735.9	13.4			20	
Aroclor-1242 (5) [2C]	312746.1	12.9			20	
Aroclor-1248 (1)	114911.8	7.9			20	
Aroclor-1248 (2)	596724	11.0			20	
Aroclor-1248 (3)	780802.7	8.7			20	
Aroclor-1248 (4)	872136	7.7			20	
Aroclor-1248 (5)	750274.7	12.1			20	
Aroclor-1248 (1) [2C]	91574.49	16.2			20	
Aroclor-1248 (2) [2C]	423636.1	13.7			20	
Aroclor-1248 (3) [2C]	543873.9	11.8			20	
Aroclor-1248 (4) [2C]	571215.8	12.2			20	
Aroclor-1248 (5) [2C]	649539.2	12.5			20	
Aroclor-1254 (1)	742657.6	10.7			20	
Aroclor-1254 (2)	774985	9.3			20	
Aroclor-1254 (3)	1328236	9.6			20	
Aroclor-1254 (4)	968797.4	9.0			20	
Aroclor-1254 (5)	1370972	11.2			20	
Aroclor-1254 (1) [2C]	576287.3	13.1			20	
Aroclor-1254 (2) [2C]	511186.2	12.7			20	
Aroclor-1254 (3) [2C]	881603.4	11.3			20	
Aroclor-1254 (4) [2C]	428353	15.2			20	
Aroclor-1254 (5) [2C]	892700.3	15.6			20	
Aroclor-1260 (1)	1172857	9.6			20	
Aroclor-1260 (2)	1725115	9.2			20	
Aroclor-1260 (3)	1060897	8.1			20	
Aroclor-1260 (4)	1083287	8.0			20	
Aroclor-1260 (5)	2250336	6.5			20	
Aroclor-1260 (1) [2C]	803628.1	12.2			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200180	Instrument:	ECD1
		Calibration Date:	4/12/2022 8:18:43AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Aroclor-1260 (2) [2C]	889565.3	14.2			20	
Aroclor-1260 (3) [2C]	666782.9	11.9			20	
Aroclor-1260 (4) [2C]	758929	11.8			20	
Aroclor-1260 (5) [2C]	1536732	19.0			20	
Aroclor-1262 (1)	581574.1	7.4			20	
Aroclor-1262 (2)	935206.5	8.5			20	
Aroclor-1262 (3)	1504800	6.9			20	
Aroclor-1262 (4)	1355004	7.4			20	
Aroclor-1262 (5)	2611424	3.9			20	
Aroclor-1262 (1) [2C]	684774	11.9			20	
Aroclor-1262 (2) [2C]	747789.6	12.1			20	
Aroclor-1262 (3) [2C]	1023300	11.4			20	
Aroclor-1262 (4) [2C]	980573.4	12.5			20	
Aroclor-1262 (5) [2C]	1728526	9.0			20	
Aroclor-1268 (1)	2888953	6.1			20	
Aroclor-1268 (2)	2716291	6.4			20	
Aroclor-1268 (3)	2313066	7.3			20	
Aroclor-1268 (4)	1057335	13.3			20	
Aroclor-1268 (5)	7135582	5.4			20	
Aroclor-1268 (1) [2C]	1957680	10.5			20	
Aroclor-1268 (2) [2C]	1817089	11.1			20	
Aroclor-1268 (3) [2C]	1561183	10.1			20	
Aroclor-1268 (4) [2C]	701554.7	17.6			20	
Aroclor-1268 (5) [2C]	4413909	8.6			20	
Decachlorobiphenyl	1.847533E+07	8.4			20	
Decachlorobiphenyl [2C]	1.01754E+07	9.0			20	
Tetrachloro-m-xylene	2.229509E+07	4.5			20	
Tetrachloro-m-xylene [2C]	1.519986E+07	6.8			20	

INITIAL CALIBRATION STANDARDS

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S070314	Instrument:	ECD1
Calibration:	2200180		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2203283	Aroclor 1260/1016 Standard=5 ppb	S070314-CAL1	A22E102011.d	04/12/22 13:46
2203282	Aroclor 1260/1016 Standard=10 ppb	S070314-CAL2	A22E102012.d	04/12/22 13:59
2203281	Aroclor 1260/1016 Standard=20 ppb	S070314-CAL3	A22E102013.d	04/12/22 14:12
2203280	Aroclor 1260/1016 Standard=50 ppb	S070314-CAL4	A22E102014.d	04/12/22 14:26
2203279	Aroclor 1260/1016 Standard=100 ppb	S070314-CAL5	A22E102015.d	04/12/22 14:39
2203278	Aroclor 1260/1016 Standard=200 ppb	S070314-CAL6	A22E102016.d	04/12/22 14:52
2203277	Aroclor 1260/1016 Standard=500 ppb	S070314-CAL7	A22E102017.d	04/12/22 15:05

INITIAL CALIBRATION STANDARDS

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S070315	Instrument:	ECD1
Calibration:	2200180		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2111020	Aroclor 1254 Standard=10 ppb	S070315-CAL1	A22E102021.d	04/12/22 15:58
2111019	Aroclor 1254 Standard=20 ppb	S070315-CAL2	A22E102022.d	04/12/22 16:11
2111017	Aroclor 1254 Standard=50 ppb	S070315-CAL3	A22E102023.d	04/12/22 16:24
2111016	Aroclor 1254 Standard=100 ppb	S070315-CAL4	A22E102024.d	04/12/22 16:38
2111015	Aroclor 1254 Standard=200 ppb	S070315-CAL5	A22E102025.d	04/12/22 16:51
2111014	Aroclor 1254 Standard=500 ppb	S070315-CAL6	A22E102026.d	04/12/22 17:04

INITIAL CALIBRATION STANDARDS

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S070316	Instrument:	ECD1
Calibration:	2200180		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2202132	Aroclor 1248 Standard=10 ppb	S070316-CAL1	A22E102030.d	04/12/22 17:57
2202131	Aroclor 1248 Standard=20 ppb	S070316-CAL2	A22E102031.d	04/12/22 18:10
2202130	Aroclor 1248 Standard=50 ppb	S070316-CAL3	A22E102032.d	04/12/22 18:23
2202129	Aroclor 1248 Standard=100 ppb	S070316-CAL4	A22E102033.d	04/12/22 18:37
2202128	Aroclor 1248 Standard=200 ppb	S070316-CAL5	A22E102034.d	04/12/22 18:50
2202127	Aroclor 1248 Standard=500 ppb	S070316-CAL6	A22E102035.d	04/12/22 19:03

INITIAL CALIBRATION STANDARDS

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S070317	Instrument:	ECD1
Calibration:	2200180		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2203447	Aroclor 1242 Standard=10 ppb	S070317-CAL1	A22E102039.d	04/12/22 19:56
2203446	Aroclor 1242 Standard=20 ppb	S070317-CAL2	A22E102040.d	04/12/22 20:09
2203445	Aroclor 1242 Standard=50 ppb	S070317-CAL3	A22E102041.d	04/12/22 20:23
2203444	Aroclor 1242 Standard=100 ppb	S070317-CAL4	A22E102042.d	04/12/22 20:36
2203443	Aroclor 1242 Standard=200 ppb	S070317-CAL5	A22E102043.d	04/12/22 20:49
2203442	Aroclor 1242 Standard=500 ppb	S070317-CAL6	A22E102044.d	04/12/22 21:03

INITIAL CALIBRATION STANDARDS

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S070318	Instrument:	ECD1
Calibration:	2200180		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2112450	Aroclor Standard 1232/1268=10 ppb	S070318-CAL1	A22E102048.d	04/12/22 21:56
2112449	Aroclor Standard 1232/1268=20 ppb	S070318-CAL2	A22E102049.d	04/12/22 22:09
2112448	Aroclor Standard 1232/1268=50 ppb	S070318-CAL3	A22E102050.d	04/12/22 22:23
2112447	Aroclor Standard 1232/1268=100 ppb	S070318-CAL4	A22E102051.d	04/12/22 22:36
2112446	Aroclor Standard 1232/1268=200 ppb	S070318-CAL5	A22E102052.d	04/12/22 22:49
2112445	Aroclor Standard 1232/1268=500 ppb	S070318-CAL6	A22E102053.d	04/12/22 23:03

INITIAL CALIBRATION STANDARDS

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S070319	Instrument:	ECD1
Calibration:	2200180		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2111282	Aroclor 1221/1262 Standard=10 ug/L	S070319-CAL1	A22E102057.d	04/12/22 23:56
2111281	Aroclor 1221/1262 Standard=20 ug/L	S070319-CAL2	A22E102058.d	04/13/22 00:09
2111280	Aroclor 1221/1262 Standard=50 ug/L	S070319-CAL3	A22E102059.d	04/13/22 00:22
2111279	Aroclor 1221/1262 Standard=100 ug/L	S070319-CAL4	A22E102060.d	04/13/22 00:36
2111278	Aroclor 1221/1262 Standard=200 ug/L	S070319-CAL5	A22E102061.d	04/13/22 00:49
2111277	Aroclor 1221/1262 Standard=500 ug/L	S070319-CAL6	A22E102062.d	04/13/22 01:02

Response Factor Report ECD1

Method Path : C:\msdchem\1\methods\PCB Methods\
Method File : 1-PCB-041222C.M
Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
Last Update : Wed Apr 13 10:13:36 2022
Response Via : Initial Calibration

3071

Calibration Files
5 =A22E102057.d 10 =A22E102057.d 20 =A22E102058.d
50 =A22E102059.d 100 =A22E102060.d 200 =A22E102061.d

		Compound	5	10	20	50	100	200	Avg		%RSD
1)	S	Tetrachloro-m...	2.251	2.341	2.290	2.044	2.280	2.150	2.230	E7	4.49
2)	S	Decachlorobip...	2.113	2.002	1.835	1.804	1.686	1.723	1.848	E7	8.38
3)	L1	1016{1}		4.022	3.699	3.458	3.256	3.142	3.425	E5	11.25
4)	L1	1016{2}		1.116	1.063	1.010	0.979	0.969	1.015	E6	6.18
5)	L1	1016{3}		7.353	7.043	6.621	6.275	6.127	6.719	E5	6.97
6)	L1	1016{4}		5.030	4.856	4.534	4.356	4.250	4.532	E5	7.64
7)	L1	1016{5}		6.741	6.520	6.041	5.752	5.548	5.992	E5	9.16
8)	L7	1260{1}		1.345	1.263	1.174	1.115	1.089	1.173	E6	9.55
9)	L7	1260{2}		1.975	1.853	1.714	1.638	1.611	1.725	E6	9.23
10)	L7	1260{3}		1.191	1.132	1.065	1.015	0.996	1.061	E6	8.14
11)	L7	1260{4}		1.221	1.150	1.080	1.034	1.017	1.083	E6	8.02
12)	L7	1260{5}		2.495	2.356	2.229	2.140	2.143	2.250	E6	6.51
13)	L6	1254{1}		7.890	8.654	7.188	7.000	7.503	7.426	E5	10.75
14)	L6	1254{2}		8.111	8.865	7.421	7.335	7.972	7.750	E5	9.32
15)	L6	1254{3}		1.371	1.537	1.265	1.253	1.371	1.328	E6	9.61
16)	L6	1254{4}		0.999	1.106	0.929	0.919	1.004	0.969	E6	8.95
17)	L6	1254{5}		1.459	1.636	1.313	1.278	1.330	1.371	E6	11.21
18)	L5	1248{1}		1.150	1.262	1.214	1.163	1.108	1.149	E5	7.92
19)	L5	1248{2}		6.743	6.633	6.092	5.777	5.530	5.967	E5	11.05
20)	L5	1248{3}		8.586	8.483	7.963	7.628	7.387	7.808	E5	8.70
21)	L5	1248{4}		9.538	9.334	8.885	8.529	8.322	8.722	E5	7.72
22)	L5	1248{5}		7.993	9.051	7.389	7.182	6.889	7.503	E5	12.09
23)	L4	1242{1}		3.182	2.903	2.731	2.628	2.447	2.703	E5	11.50
24)	L4	1242{2}		8.714	8.079	7.771	7.620	7.426	7.830	E5	6.43
25)	L4	1242{3}		5.802	6.359	5.122	4.969	4.728	5.394	E5	11.11
26)	L4	1242{4}		5.875	5.233	4.938	4.701	4.436	4.917	E5	11.68
27)	L4	1242{5}		5.055	5.608	4.435	4.267	4.061	4.568	E5	13.94
28)	L3	1232{1}		4.422	4.628	4.438	4.130	4.026	4.234	E5	7.55
29)	L3	1232{2}		2.009	2.129	2.069	1.920	1.848	1.946	E5	8.03
30)	L3	1232{3}		1.916	2.956	2.824	2.514	2.407	2.464	E5	15.86
31)	L3	1232{4}		1.621	1.730	1.692	1.566	1.497	1.578	E5	8.59
32)	L3	1232{5}		2.807	2.844	2.755	2.504	2.384	2.577	E5	10.50
33)	L9	1268{1}		2.948	3.144	3.003	2.794	2.783	2.889	E6	6.07
34)	L9	1268{2}		2.853	2.938	2.805	2.621	2.596	2.716	E6	6.45
35)	L9	1268{3}		2.435	2.538	2.399	2.210	2.195	2.313	E6	7.29
36)	L9	1268{4}		1.168	1.097	1.251	1.009	0.940	1.057	E6	13.34
37)	L9	1268{5}		7.501	7.409	7.526	6.836	6.856	7.136	E6	5.36
38)	L2	1221{1}		3.041	2.836	2.692	2.598	2.571	2.687	E5	8.51
39)	L2	1221{2}		1.922	1.850	1.817	1.725	1.665	1.748	E5	8.44
40)	L2	1221{3}		7.180	6.776	6.406	6.109	5.913	6.313	E5	9.63
41)	L8	1262{1}		6.388	6.157	5.917	5.702	5.525	5.816	E5	7.39
42)	L8	1262{2}		1.057	0.986	0.945	0.906	0.884	0.935	E6	8.47
43)	L8	1262{3}		1.670	1.570	1.503	1.469	1.445	1.505	E6	6.91
44)	L8	1262{4}		1.520	1.417	1.351	1.316	1.289	1.355	E6	7.43
45)	L8	1262{5}		2.791	2.660	2.591	2.566	2.567	2.612	E6	3.93

Signal #2 Calibration Files
5 =A22E102057.d 10 =A22E102057.d 20 =A22E102058.d
50 =A22E102059.d 100 =A22E102060.d 200 =A22E102061.d

		Compound	5	10	20	50	100	200	Avg		%RSD
1)	S	Tetrachloro-m...	1.553	1.653	1.614	1.546	1.484	1.435	1.520	E7	6.82
2)	S	Decachlorobip...	1.195	1.067	1.033	0.980	0.961	0.954	1.018	E7	8.97
3)	L1	1016{1}		2.925	2.776	2.531	2.362	2.229	2.485	E5	12.96
4)	L1	1016{2}		7.704	7.137	6.608	6.244	6.079	6.598	E5	10.76
5)	L1	1016{3}		3.377	3.260	3.022	2.854	2.732	2.976	E5	10.11
6)	L1	1016{4}		3.398	3.211	2.914	2.702	2.543	2.857	E5	13.78
7)	L1	1016{5}		4.760	4.454	4.121	3.863	3.686	4.063	E5	11.81
8)	L7	1260{1}		9.454	8.902	8.055	7.588	7.329	8.036	E5	12.16
9)	L7	1260{2}		1.084	0.993	0.884	0.827	0.796	0.890	E6	14.16
10)	L7	1260{3}		7.815	7.358	6.706	6.313	6.059	6.668	E5	11.86

Method Path : C:\msdchem\1\methods\PCB Methods\
Method File : 1-PCB-041222C.M
Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
Last Update : Wed Apr 13 10:13:36 2022
Response Via : Initial Calibration

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Calibration Files
5 =A22E102057.d 10 =A22E102057.d 20 =A22E102058.d
50 =A22E102059.d 100 =A22E102060.d 200 =A22E102061.d

	Compound	5	10	20	50	100	200	Avg		%RSD
11)	L7 1260{4}		8.908	8.338	7.637	7.164	6.923	7.589	E5	11.75
12)	L7 1260{5}		2.058	1.690	1.469	1.372	1.340	1.537	E6	19.00
13)	L6 1254{1}		6.433	6.806	5.593	5.388	5.670	5.763	E5	13.15
14)	L6 1254{2}		5.660	6.025	4.959	4.789	5.042	5.112	E5	12.68
15)	L6 1254{3}		0.909	1.047	0.861	0.838	0.892	0.882	E6	11.27
16)	L6 1254{4}		4.795	5.248	4.160	3.988	4.128	4.284	E5	15.24
17)	L6 1254{5}		1.020	1.077	0.729	0.858	0.913	0.893	E6	15.55
18)	L5 1248{1}		1.054	1.090	0.977	0.859	0.804	0.916	E5	16.24
19)	L5 1248{2}		4.956	4.767	4.376	4.083	3.829	4.236	E5	13.75
20)	L5 1248{3}		6.192	6.055	5.592	5.271	5.022	5.439	E5	11.78
21)	L5 1248{4}		6.590	6.348	5.841	5.537	5.241	5.712	E5	12.22
22)	L5 1248{5}		7.603	7.162	6.613	6.278	5.946	6.496	E5	12.49
23)	L4 1242{1}		2.300	2.109	2.039	1.916	1.781	1.968	E5	11.72
24)	L4 1242{2}		6.159	5.508	5.198	4.990	4.743	5.200	E5	10.97
25)	L4 1242{3}		2.537	2.476	2.407	2.302	2.172	2.326	E5	7.88
26)	L4 1242{4}		2.852	2.636	2.464	2.311	2.136	2.397	E5	13.37
27)	L4 1242{5}		3.740	3.409	3.175	3.000	2.798	3.127	E5	12.93
28)	L3 1232{1}		3.243	3.337	3.139	2.836	2.740	2.967	E5	10.89
29)	L3 1232{2}		1.386	1.491	1.420	1.272	1.207	1.306	E5	12.16
30)	L3 1232{3}		1.093	1.487	1.431	1.288	1.229	1.267	E5	13.38
31)	L3 1232{4}		1.905	2.268	2.110	1.823	1.739	1.900	E5	13.57
32)	L3 1232{5}		1.348	1.943	1.847	1.641	1.562	1.624	E5	14.59
33)	L9 1268{1}		2.156	2.203	2.032	1.859	1.817	1.958	E6	10.52
34)	L9 1268{2}		2.023	2.050	1.887	1.719	1.670	1.817	E6	11.09
35)	L9 1268{3}		1.691	1.771	1.615	1.482	1.455	1.561	E6	10.12
36)	L9 1268{4}		7.878	8.802	7.449	6.347	6.088	7.015	E5	17.63
37)	L9 1268{5}		4.720	4.904	4.568	4.214	4.177	4.414	E6	8.58
38)	L2 1221{1}		2.266	2.144	2.094	1.976	1.890	2.014	E5	9.79
39)	L2 1221{2}		1.516	1.432	1.371	1.278	1.212	1.315	E5	11.94
40)	L2 1221{3}		4.979	4.650	4.721	4.414	4.200	4.461	E5	9.37
41)	L8 1262{1}		8.368	6.732	6.871	6.723	6.462	6.848	E5	11.92
42)	L8 1262{2}		8.751	8.243	7.582	7.146	6.843	7.478	E5	12.13
43)	L8 1262{3}		1.197	1.114	1.027	0.978	0.946	1.023	E6	11.38
44)	L8 1262{4}		1.182	1.055	0.974	0.931	0.902	0.981	E6	12.48
45)	L8 1262{5}		1.977	1.828	1.725	1.671	1.638	1.729	E6	9.03

(#) = Out of Range ### Number of calibration levels exceeded format ###

DATA ANALYSIS PARAMETERS

Method Name: C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M

Percent Report Settings

Sort By: Signal

Output Destination
    Screen: No
    Printer: Yes
    File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: Yes

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination
    Screen: Yes
    Printer: No
    File: epatemp.txt

Generate Report During Run Method: No

60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
Calibration Last Updated: Wed Apr 13 10:13:36 2022

Reference Window: 2.00 Minutes
Non-Reference Window: 1.00 Minutes
Correlation Window: 0.10 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

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 1) Tetrachloro-m-xylene ( )
Ret. Time 3.218 min., Extract & Integrate from 3.188 to 3.248 min.

Lvl	ID	Conc (ug/L)	Response
5		5.000	112532127
10		10.000	234149220
20		20.000	457984800
50		50.000	1022233036
100		100.000	2280481444
200		200.000	4299804123
500		500.000	11253809975

Curve Fit: Avg. RF

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 2) Decachlorobiphenyl ( )

Ret. Time 7.336 min., Extract & Integrate from 7.306 to 7.366 min.

Lvl	ID	Conc (ug/L)	Response
5		5.000	105634587
10		10.000	200208855
20		20.000	367089314
50		50.000	901949832
100		100.000	1686243454
200		200.000	3446863679
500		500.000	8848857944

Curve Fit: Avg. RF

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3) 1016{1} ( )

Ret. Time 3.992 min., Extract & Integrate from 3.962 to 4.022 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	4021698
20		20.000	7398056
50		50.000	17289658
100		100.000	32559076
200		200.000	62832096
500		500.000	148827485

Curve Fit: Avg. RF

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4) 1016{2} ( )

Ret. Time 4.207 min., Extract & Integrate from 4.177 to 4.237 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	11161843
20		20.000	21251181
50		50.000	50483438
100		100.000	97900997
200		200.000	193870911
500		500.000	476922542

Curve Fit: Avg. RF

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5) 1016{3} ( )

Ret. Time 4.316 min., Extract & Integrate from 4.286 to 4.346 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	7353434
20		20.000	14086711
50		50.000	33102556
100		100.000	62752316
200		200.000	122548694
500		500.000	344753389

Curve Fit: Avg. RF

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6) 1016{4} ( )

Ret. Time 4.368 min., Extract & Integrate from 4.338 to 4.398 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	5030178
20		20.000	9711845
50		50.000	22669190
100		100.000	43558547
200		200.000	84994958
500		500.000	208193736

Curve Fit: Avg. RF

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7) 1016{5} ( )

Ret. Time 4.652 min., Extract & Integrate from 4.622 to 4.681 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	6741199
20		20.000	13039905
50		50.000	30204664
100		100.000	57523544
200		200.000	110954517
500		500.000	267573299

Curve Fit: Avg. RF

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8) 1260{1} ( )

Ret. Time 5.658 min., Extract & Integrate from 5.628 to 5.688 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	13447168
20		20.000	25265444
50		50.000	58692618
100		100.000	111540347
200		200.000	217733646
500		500.000	525889032

Curve Fit: Avg. RF

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9) 1260{2} ( )

Ret. Time 5.883 min., Extract & Integrate from 5.853 to 5.913 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	19749414
20		20.000	37060451
50		50.000	85691399
100		100.000	163816141
200		200.000	322286799
500		500.000	779681729

Curve Fit: Avg. RF

---

10) 1260{3} ( )

Ret. Time 6.177 min., Extract & Integrate from 6.147 to 6.207 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	11907848
20		20.000	22649985
50		50.000	53244828
100		100.000	101531131
200		200.000	199215004
500		500.000	483067685

Curve Fit: Avg. RF

---

11) 1260{4} ( )

Ret. Time 6.349 min., Extract & Integrate from 6.319 to 6.379 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	12210102
20		20.000	23004803
50		50.000	54013538
100		100.000	103414160

200	200.000	203351303
500	500.000	498634472

Curve Fit: Avg. RF

---

12) 1260{5} ( )
Ret. Time 6.548 min., Extract & Integrate from 6.518 to 6.578 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	24946294
20		20.000	47119715
50		50.000	111456874
100		100.000	214039743
200		200.000	428600900
500		500.000	1069240481

Curve Fit: Avg. RF

---

13) 1254{1} ( )
Ret. Time 4.962 min., Extract & Integrate from 4.932 to 4.992 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	7890405
20		20.000	17307867
50		50.000	35939274
100		100.000	70002591
200		200.000	150068204
500		500.000	316138000

Curve Fit: Avg. RF

---

14) 1254{2} ( )
Ret. Time 5.406 min., Extract & Integrate from 5.376 to 5.436 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	8110582
20		20.000	17729363
50		50.000	37105036
100		100.000	73348329
200		200.000	159437961
500		500.000	339946139

Curve Fit: Avg. RF

---

15) 1254{3} ( )
Ret. Time 5.507 min., Extract & Integrate from 5.477 to 5.537 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	13714596
20		20.000	30736422
50		50.000	63251650
100		100.000	125266518
200		200.000	274279556
500		500.000	585828614

Curve Fit: Avg. RF

---

16) 1254{4} ( )
Ret. Time 5.738 min., Extract & Integrate from 5.708 to 5.768 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	

10	10.000	9989408
20	20.000	22114864
50	50.000	46436075
100	100.000	91897903
200	200.000	200769547
500	500.000	428201458

Curve Fit: Avg. RF

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17) 1254{5} ( )
Ret. Time 6.098 min., Extract & Integrate from 6.068 to 6.128 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	14586868
20		20.000	32727932
50		50.000	65672565
100		100.000	127809049
200		200.000	266090869
500		500.000	604371074

Curve Fit: Avg. RF

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18) 1248{1} ( )
Ret. Time 3.970 min., Extract & Integrate from 3.940 to 4.000 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1150300
20		20.000	2523653
50		50.000	6068091
100		100.000	11625699
200		200.000	22154887
500		500.000	49932373

Curve Fit: Avg. RF

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19) 1248{2} ( )
Ret. Time 4.463 min., Extract & Integrate from 4.433 to 4.493 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	6743065
20		20.000	13266447
50		50.000	30461136
100		100.000	57769241
200		200.000	110601071
500		500.000	251359574

Curve Fit: Avg. RF

---

20) 1248{3} ( )
Ret. Time 4.650 min., Extract & Integrate from 4.620 to 4.680 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	8586349
20		20.000	16966674
50		50.000	39817008
100		100.000	76280775
200		200.000	147746346
500		500.000	340060734

Curve Fit: Avg. RF

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21) 1248{4} ( )

Ret. Time 4.998 min., Extract & Integrate from 4.968 to 5.028 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	9537874
20		20.000	18667711
50		50.000	44425903
100		100.000	85292510
200		200.000	166442284
500		500.000	386092296

Curve Fit: Avg. RF

---

22) 1248{5} ( )

Ret. Time 5.023 min., Extract & Integrate from 4.993 to 5.053 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	7992848
20		20.000	18101302
50		50.000	36946353
100		100.000	71817158
200		200.000	137772154
500		500.000	325611435

Curve Fit: Avg. RF

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23) 1242{1} ( )

Ret. Time 3.992 min., Extract & Integrate from 3.962 to 4.022 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	3182410
20		20.000	5805846
50		50.000	13654448
100		100.000	26283410
200		200.000	48939577
500		500.000	116346558

Curve Fit: Avg. RF

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24) 1242{2} ( )

Ret. Time 4.208 min., Extract & Integrate from 4.178 to 4.238 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	8713821
20		20.000	16158751
50		50.000	38853273
100		100.000	76203318
200		200.000	148527293
500		500.000	368326408

Curve Fit: Avg. RF

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25) 1242{3} ( )

Ret. Time 4.316 min., Extract & Integrate from 4.286 to 4.346 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	5802399
20		20.000	12718516
50		50.000	25610218
100		100.000	49686734
200		200.000	94563386
500		500.000	269219004

Curve Fit: Avg. RF
---

26) 1242{4} ( )
Ret. Time 4.651 min., Extract & Integrate from 4.621 to 4.681 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	5875265
20		20.000	10465333
50		50.000	24689906
100		100.000	47011457
200		200.000	88718423
500		500.000	216086954

Curve Fit: Avg. RF
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27) 1242{5} ( )
Ret. Time 5.025 min., Extract & Integrate from 4.995 to 5.055 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	5054533
20		20.000	11216200
50		50.000	22175393
100		100.000	42668325
200		200.000	81226259
500		500.000	199060275

Curve Fit: Avg. RF
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28) 1232{1} ( )
Ret. Time 4.207 min., Extract & Integrate from 4.177 to 4.237 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	4422177
20		20.000	9256474
50		50.000	22188994
100		100.000	41299929
200		200.000	80511317
500		500.000	188038406

Curve Fit: Avg. RF
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29) 1232{2} ( )
Ret. Time 4.369 min., Extract & Integrate from 4.339 to 4.399 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	2008827
20		20.000	4258887
50		50.000	10343491
100		100.000	19199404
200		200.000	36960161
500		500.000	85135069

Curve Fit: Avg. RF
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30) 1232{3} ( )
Ret. Time 4.651 min., Extract & Integrate from 4.621 to 4.681 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1915867
20		20.000	5911856
50		50.000	14118300
100		100.000	25144827

200	200.000	48133657
500	500.000	108512458

Curve Fit: Avg. RF

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31) 1232{4} ( )

Ret. Time 4.722 min., Extract & Integrate from 4.692 to 4.752 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1621270
20		20.000	3459282
50		50.000	8459371
100		100.000	15664628
200		200.000	29944197
500		500.000	68027804

Curve Fit: Avg. RF

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32) 1232{5} ( )

Ret. Time 4.998 min., Extract & Integrate from 4.968 to 5.028 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	2807444
20		20.000	5688448
50		50.000	13774005
100		100.000	25042382
200		200.000	47675643
500		500.000	108388907

Curve Fit: Avg. RF

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33) 1268{1} ( )

Ret. Time 6.739 min., Extract & Integrate from 6.709 to 6.769 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	29479619
20		20.000	62879113
50		50.000	150170392
100		100.000	279393937
200		200.000	556639329
500		500.000	1330399533

Curve Fit: Avg. RF

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34) 1268{2} ( )

Ret. Time 6.763 min., Extract & Integrate from 6.733 to 6.793 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	28525286
20		20.000	58764309
50		50.000	140261747
100		100.000	262100289
200		200.000	519194282
500		500.000	1241961750

Curve Fit: Avg. RF

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35) 1268{3} ( )

Ret. Time 6.876 min., Extract & Integrate from 6.846 to 6.906 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	

10	10.000	24350733
20	20.000	50766418
50	50.000	119926290
100	100.000	221029930
200	200.000	439011613
500	500.000	1050961888

Curve Fit: Avg. RF

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36) 1268{4} ( )

Ret. Time 7.070 min., Extract & Integrate from 7.040 to 7.100 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	11680340
20		20.000	21937859
50		50.000	62564062
100		100.000	100865915
200		200.000	188001408
500		500.000	439356363

Curve Fit: Avg. RF

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37) 1268{5} ( )

Ret. Time 7.225 min., Extract & Integrate from 7.195 to 7.255 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	75013908
20		20.000	148180296
50		50.000	376312350
100		100.000	683619322
200		200.000	1371140854
500		500.000	3342278459

Curve Fit: Avg. RF

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38) 1221{1} ( )

Ret. Time 3.359 min., Extract & Integrate from 3.329 to 3.389 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	3041044
20		20.000	5671471
50		50.000	13461952
100		100.000	25975600
200		200.000	51428919
500		500.000	119124482

Curve Fit: Avg. RF

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39) 1221{2} ( )

Ret. Time 3.485 min., Extract & Integrate from 3.455 to 3.515 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1922336
20		20.000	3700731
50		50.000	9083162
100		100.000	17248119
200		200.000	33292840
500		500.000	75594874

Curve Fit: Avg. RF

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40) 1221{3} ( )

Ret. Time 3.520 min., Extract & Integrate from 3.490 to 3.550 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	7180292
20		20.000	13551134
50		50.000	32029894
100		100.000	61087144
200		200.000	118267438
500		500.000	274669680

Curve Fit: Avg. RF

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41) 1262{1} ( )

Ret. Time 5.540 min., Extract & Integrate from 5.510 to 5.570 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	6388407
20		20.000	12314002
50		50.000	29582578
100		100.000	57015250
200		200.000	110497012
500		500.000	260315412

Curve Fit: Avg. RF

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42) 1262{2} ( )

Ret. Time 5.656 min., Extract & Integrate from 5.626 to 5.686 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	10572651
20		20.000	19723776
50		50.000	47227644
100		100.000	90593194
200		200.000	176740398
500		500.000	416861660

Curve Fit: Avg. RF

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43) 1262{3} ( )

Ret. Time 6.176 min., Extract & Integrate from 6.146 to 6.206 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	16699798
20		20.000	31390013
50		50.000	75161088
100		100.000	146904187
200		200.000	289096487
500		500.000	685775389

Curve Fit: Avg. RF

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44) 1262{4} ( )

Ret. Time 6.347 min., Extract & Integrate from 6.317 to 6.377 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	15199613
20		20.000	28330533
50		50.000	67556848
100		100.000	131613708
200		200.000	257838983
500		500.000	618652186

Curve Fit: Avg. RF

45) 1262{5} ( )
Ret. Time 6.546 min., Extract & Integrate from 6.516 to 6.576 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	27910909
20		20.000	53201011
50		50.000	129534684
100		100.000	256643113
200		200.000	513373962
500		500.000	1247175884

Curve Fit: Avg. RF

46) Signal #2 ( )
Ret. Time 6.808 min., Extract & Integrate from 6.778 to 6.838 min.

Lvl	ID	Conc (ug/L)	Response
5		5.000	-1
10		10.000	-1
20		20.000	-1
50		50.000	-1
100		100.000	-1
200		200.000	-1
500		500.000	-1

Curve Fit: Avg. RF

47) Tetrachloro-m-xylene #2 ( )
Ret. Time 3.142 min., Extract & Integrate from 3.112 to 3.172 min.

Lvl	ID	Conc (ug/L)	Response
5		5.000	77655191
10		10.000	165313829
20		20.000	322861585
50		50.000	773116343
100		100.000	1484339706
200		200.000	2869551478
500		500.000	6769997817

Curve Fit: Avg. RF

48) Decachlorobiphenyl #2 ( )
Ret. Time 7.469 min., Extract & Integrate from 7.439 to 7.499 min.

Lvl	ID	Conc (ug/L)	Response
5		5.000	59742942
10		10.000	106720366
20		20.000	206588757
50		50.000	490152707
100		100.000	960521276
200		200.000	1908433094
500		500.000	4664145101

Curve Fit: Avg. RF

49) 1016{1} #2 ( )
Ret. Time 4.061 min., Extract & Integrate from 4.031 to 4.091 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	2925415
20		20.000	5552817
50		50.000	12657308
100		100.000	23615926

200	200.000	44573099
500	500.000	104431964

Curve Fit: Avg. RF

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50) 1016{2} #2 ( )

Ret. Time 4.233 min., Extract & Integrate from 4.203 to 4.263 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	7703514
20		20.000	14274417
50		50.000	33042221
100		100.000	62440354
200		200.000	121588400
500		500.000	290726599

Curve Fit: Avg. RF

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51) 1016{3} #2 ( )

Ret. Time 4.423 min., Extract & Integrate from 4.393 to 4.453 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	3377143
20		20.000	6519761
50		50.000	15112468
100		100.000	28542142
200		200.000	54632145
500		500.000	130486610

Curve Fit: Avg. RF

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52) 1016{4} #2 ( )

Ret. Time 4.498 min., Extract & Integrate from 4.468 to 4.528 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	3397789
20		20.000	6421866
50		50.000	14568275
100		100.000	27016906
200		200.000	50865924
500		500.000	118761827

Curve Fit: Avg. RF

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53) 1016{5} #2 ( )

Ret. Time 4.717 min., Extract & Integrate from 4.687 to 4.747 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	4760118
20		20.000	8907904
50		50.000	20606947
100		100.000	38629027
200		200.000	73726348
500		500.000	174589366

Curve Fit: Avg. RF

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54) 1260{1} #2 ( )

Ret. Time 5.754 min., Extract & Integrate from 5.724 to 5.784 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	

10	10.000	9453587
20	20.000	17804954
50	50.000	40276848
100	100.000	75882569
200	200.000	146575345
500	500.000	344435004

Curve Fit: Avg. RF

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55) 1260{2} #2 ( )
Ret. Time 5.919 min., Extract & Integrate from 5.889 to 5.949 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	10839163
20		20.000	19851182
50		50.000	44176312
100		100.000	82749082
200		200.000	159120490
500		500.000	377222009

Curve Fit: Avg. RF

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56) 1260{3} #2 ( )
Ret. Time 6.248 min., Extract & Integrate from 6.218 to 6.278 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	7815478
20		20.000	14716268
50		50.000	33530537
100		100.000	63132539
200		200.000	121175222
500		500.000	287724703

Curve Fit: Avg. RF

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57) 1260{4} #2 ( )
Ret. Time 6.447 min., Extract & Integrate from 6.417 to 6.477 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	8908293
20		20.000	16676253
50		50.000	38183414
100		100.000	71636390
200		200.000	138454235
500		500.000	328245085

Curve Fit: Avg. RF

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58) 1260{5} #2 ( )
Ret. Time 6.600 min., Extract & Integrate from 6.570 to 6.630 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	20579403
20		20.000	33805852
50		50.000	73443000
100		100.000	137178978
200		200.000	268073283
500		500.000	645384818

Curve Fit: Avg. RF

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59) 1254{1} #2 ( )

Ret. Time 5.058 min., Extract & Integrate from 5.028 to 5.088 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	6432590
20		20.000	13612530
50		50.000	27962636
100		100.000	53878561
200		200.000	113390216
500		500.000	234383736

Curve Fit: Avg. RF

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60) 1254{2} #2 ( )

Ret. Time 5.497 min., Extract & Integrate from 5.467 to 5.527 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	5659511
20		20.000	12049703
50		50.000	24797086
100		100.000	47893920
200		200.000	100841909
500		500.000	209917574

Curve Fit: Avg. RF

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61) 1254{3} #2 ( )

Ret. Time 5.593 min., Extract & Integrate from 5.563 to 5.623 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	9088048
20		20.000	20934428
50		50.000	43039401
100		100.000	83760630
200		200.000	178313981
500		500.000	372148266

Curve Fit: Avg. RF

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62) 1254{4} #2 ( )

Ret. Time 5.917 min., Extract & Integrate from 5.887 to 5.947 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	4794868
20		20.000	10495688
50		50.000	20801574
100		100.000	39880018
200		200.000	82563027
500		500.000	169133196

Curve Fit: Avg. RF

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63) 1254{5} #2 ( )

Ret. Time 6.186 min., Extract & Integrate from 6.156 to 6.216 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	10202926
20		20.000	21534284
50		50.000	36470640
100		100.000	85798217
200		200.000	182554386
500		500.000	379359295

Curve Fit: Avg. RF

64) 1248{1} #2 ( )
Ret. Time 4.033 min., Extract & Integrate from 4.003 to 4.063 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1053627
20		20.000	2179184
50		50.000	4886175
100		100.000	8586078
200		200.000	16082255
500		500.000	35564724

Curve Fit: Avg. RF

65) 1248{2} #2 ( )
Ret. Time 4.496 min., Extract & Integrate from 4.466 to 4.526 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	4955665
20		20.000	9533444
50		50.000	21878790
100		100.000	40833128
200		200.000	76574189
500		500.000	170352300

Curve Fit: Avg. RF

66) 1248{3} #2 ( )
Ret. Time 4.716 min., Extract & Integrate from 4.686 to 4.746 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	6192217
20		20.000	12109606
50		50.000	27962487
100		100.000	52709168
200		200.000	100444436
500		500.000	225066258

Curve Fit: Avg. RF

67) 1248{4} #2 ( )
Ret. Time 5.022 min., Extract & Integrate from 4.992 to 5.052 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	6590404
20		20.000	12696493
50		50.000	29205170
100		100.000	55372645
200		200.000	104827094
500		500.000	235828979

Curve Fit: Avg. RF

68) 1248{5} #2 ( )
Ret. Time 5.061 min., Extract & Integrate from 5.031 to 5.091 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	7602924
20		20.000	14323865
50		50.000	33062902
100		100.000	62779099

200	200.000	118927816
500	500.000	268646103

Curve Fit: Avg. RF

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69) 1242{1} #2 ( )

Ret. Time 4.062 min., Extract & Integrate from 4.032 to 4.092 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	2299868
20		20.000	4217783
50		50.000	10193236
100		100.000	19164006
200		200.000	35622232
500		500.000	83125702

Curve Fit: Avg. RF

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70) 1242{2} #2 ( )

Ret. Time 4.232 min., Extract & Integrate from 4.202 to 4.262 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	6158975
20		20.000	11015038
50		50.000	25988557
100		100.000	49898511
200		200.000	94853480
500		500.000	230021368

Curve Fit: Avg. RF

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71) 1242{3} #2 ( )

Ret. Time 4.422 min., Extract & Integrate from 4.392 to 4.452 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	2537159
20		20.000	4952232
50		50.000	12033190
100		100.000	23024916
200		200.000	43432136
500		500.000	103075607

Curve Fit: Avg. RF

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72) 1242{4} #2 ( )

Ret. Time 4.497 min., Extract & Integrate from 4.467 to 4.527 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	2851523
20		20.000	5272079
50		50.000	12320573
100		100.000	23114673
200		200.000	42717573
500		500.000	99256455

Curve Fit: Avg. RF

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73) 1242{5} #2 ( )

Ret. Time 5.023 min., Extract & Integrate from 4.993 to 5.053 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	

10	10.000	3739863
20	20.000	6818807
50	50.000	15876958
100	100.000	30000353
200	200.000	55961492
500	500.000	132090949

Curve Fit: Avg. RF

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74) 1232{1} #2 ( )
Ret. Time 4.233 min., Extract & Integrate from 4.203 to 4.263 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	3242848
20		20.000	6674222
50		50.000	15695229
100		100.000	28358398
200		200.000	54792513
500		500.000	125417680

Curve Fit: Avg. RF

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75) 1232{2} #2 ( )
Ret. Time 4.497 min., Extract & Integrate from 4.467 to 4.527 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1386432
20		20.000	2982293
50		50.000	7100272
100		100.000	12720629
200		200.000	24133540
500		500.000	52925371

Curve Fit: Avg. RF

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76) 1232{3} #2 ( )
Ret. Time 4.533 min., Extract & Integrate from 4.503 to 4.563 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1092745
20		20.000	2974151
50		50.000	7155489
100		100.000	12880042
200		200.000	24583359
500		500.000	53835043

Curve Fit: Avg. RF

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77) 1232{4} #2 ( )
Ret. Time 4.717 min., Extract & Integrate from 4.687 to 4.747 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1905124
20		20.000	4536555
50		50.000	10550348
100		100.000	18231821
200		200.000	34789456
500		500.000	77607933

Curve Fit: Avg. RF

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78) 1232{5} #2 ( )

Ret. Time 4.817 min., Extract & Integrate from 4.787 to 4.847 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1347937
20		20.000	3885120
50		50.000	9234675
100		100.000	16414213
200		200.000	31245325
500		500.000	70103657

Curve Fit: Avg. RF

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79) 1268{1} #2 ( )

Ret. Time 6.814 min., Extract & Integrate from 6.784 to 6.844 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	21557285
20		20.000	44061092
50		50.000	101609979
100		100.000	185860788
200		200.000	363331861
500		500.000	839916981

Curve Fit: Avg. RF

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80) 1268{2} #2 ( )

Ret. Time 6.841 min., Extract & Integrate from 6.811 to 6.871 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	20234678
20		20.000	41006280
50		50.000	94372707
100		100.000	171942307
200		200.000	333902407
500		500.000	776419303

Curve Fit: Avg. RF

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81) 1268{3} #2 ( )

Ret. Time 6.984 min., Extract & Integrate from 6.954 to 7.014 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	16906952
20		20.000	35429488
50		50.000	80751426
100		100.000	148165417
200		200.000	290935517
500		500.000	676701448

Curve Fit: Avg. RF

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82) 1268{4} #2 ( )

Ret. Time 7.132 min., Extract & Integrate from 7.102 to 7.162 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	7877648
20		20.000	17603352
50		50.000	37246584
100		100.000	63466436
200		200.000	121759011
500		500.000	276374598

Curve Fit: Avg. RF

83) 1268{5} #2 ( )
Ret. Time 7.314 min., Extract & Integrate from 7.284 to 7.344 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	47201559
20		20.000	98083935
50		50.000	228375632
100		100.000	421444744
200		200.000	835342163
500		500.000	1950285201

Curve Fit: Avg. RF

84) 1221{1} #2 ( )
Ret. Time 3.375 min., Extract & Integrate from 3.345 to 3.405 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	2265670
20		20.000	4287748
50		50.000	10470287
100		100.000	19758738
200		200.000	37800387
500		500.000	85619620

Curve Fit: Avg. RF

85) 1221{2} #2 ( )
Ret. Time 3.489 min., Extract & Integrate from 3.459 to 3.519 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	1516429
20		20.000	2863917
50		50.000	6857121
100		100.000	12783534
200		200.000	24249086
500		500.000	54113964

Curve Fit: Avg. RF

86) 1221{3} #2 ( )
Ret. Time 3.538 min., Extract & Integrate from 3.508 to 3.568 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	4978961
20		20.000	9300607
50		50.000	23605091
100		100.000	44144061
200		200.000	84004613
500		500.000	190196475

Curve Fit: Avg. RF

87) 1262{1} #2 ( )
Ret. Time 5.753 min., Extract & Integrate from 5.723 to 5.783 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	8367776
20		20.000	13464141
50		50.000	34356428
100		100.000	67233056

200	200.000	129246141
500	500.000	296550636

Curve Fit: Avg. RF

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88) 1262{2} #2 ( )

Ret. Time 5.918 min., Extract & Integrate from 5.888 to 5.948 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	8751000
20		20.000	16486335
50		50.000	37911678
100		100.000	71458727
200		200.000	136856895
500		500.000	315036557

Curve Fit: Avg. RF

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89) 1262{3} #2 ( )

Ret. Time 6.246 min., Extract & Integrate from 6.216 to 6.276 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	11969970
20		20.000	22278187
50		50.000	51356814
100		100.000	97805914
200		200.000	189258136
500		500.000	438560452

Curve Fit: Avg. RF

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90) 1262{4} #2 ( )

Ret. Time 6.445 min., Extract & Integrate from 6.415 to 6.475 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	11819466
20		20.000	21103774
50		50.000	48709388
100		100.000	93121725
200		200.000	180477577
500		500.000	419229865

Curve Fit: Avg. RF

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91) 1262{5} #2 ( )

Ret. Time 6.598 min., Extract & Integrate from 6.568 to 6.628 min.

Lvl	ID	Conc (ug/L)	Response
5		not used for this compound	
10		10.000	19767964
20		20.000	36565223
50		50.000	86239836
100		100.000	167106808
200		200.000	327668755
500		500.000	765936460

Curve Fit: Avg. RF

END OF DATA ANALYSIS PARAMETERS

Injection Log

C:\msdchem\1\data\041222\

2260180

Date	Filename	Lab ID	Sample Info
12 Apr 2022 10:24 am	A22E102001.d	ISO	
12 Apr 2022 10:37 am	A22E102002.d	ISO	
12 Apr 2022 10:51 am	A22E102003.d	ISO	
12 Apr 2022 11:04 am	A22E102004.d	1260/1016 100 2203279	mix[s,11,17]
12 Apr 2022 11:17 am	A22E102005.d	1254 100 2111016	mix[16]
12 Apr 2022 11:31 am	A22E102006.d	1248 100 2202129	mix[15]
12 Apr 2022 11:44 am	A22E102007.d	1242 100 2203444	mix[14]
12 Apr 2022 11:58 am	A22E102008.d	1232/1268 100 2112447	mix[13,19]
12 Apr 2022 12:11 pm	A22E102009.d	1221/1262 100 2111279	mix[12,18]
12 Apr 2022 13:33 pm	A22E102010.d	ISO	
12 Apr 2022 13:46 pm	A22E102011.d	1260/1016 5	mix[s,11,17]
12 Apr 2022 13:59 pm	A22E102012.d	1260/1016 10	mix[s,11,17]
12 Apr 2022 14:12 pm	A22E102013.d	1260/1016 20	mix[s,11,17]
12 Apr 2022 14:26 pm	A22E102014.d	1260/1016 50	mix[s,11,17]
12 Apr 2022 14:39 pm	A22E102015.d	1260/1016 100	mix[s,11,17] S070314
12 Apr 2022 14:52 pm	A22E102016.d	1260/1016 200	mix[s,11,17]
12 Apr 2022 15:05 pm	A22E102017.d	1260/1016 500	mix[s,11,17]
12 Apr 2022 15:18 pm	A22E102018.d	ISO	
12 Apr 2022 15:32 pm	A22E102019.d	ICV STD 60/16	mix[s,11,17]
12 Apr 2022 15:45 pm	A22E102020.d	ISO	
12 Apr 2022 15:58 pm	A22E102021.d	1254 10	mix[16]
12 Apr 2022 16:11 pm	A22E102022.d	1254 20	mix[16]
12 Apr 2022 16:24 pm	A22E102023.d	1254 50	mix[16]
12 Apr 2022 16:38 pm	A22E102024.d	1254 100	mix[16] S070315
12 Apr 2022 16:51 pm	A22E102025.d	1254 200	mix[16]
12 Apr 2022 17:04 pm	A22E102026.d	1254 500	mix[16]
12 Apr 2022 17:17 pm	A22E102027.d	ICV STD 1254	mix[16]
12 Apr 2022 17:30 pm	A22E102028.d	ISO	
12 Apr 2022 17:43 pm	A22E102029.d	ISO	
12 Apr 2022 17:57 pm	A22E102030.d	1248 10	mix[15]
12 Apr 2022 18:10 pm	A22E102031.d	1248 20	mix[15]
12 Apr 2022 18:23 pm	A22E102032.d	1248 50	mix[15]
12 Apr 2022 18:37 pm	A22E102033.d	1248 100	mix[15] S070316
12 Apr 2022 18:50 pm	A22E102034.d	1248 200	mix[15]
12 Apr 2022 19:03 pm	A22E102035.d	1248 500	mix[15]
12 Apr 2022 19:16 pm	A22E102036.d	ISO	
12 Apr 2022 19:30 pm	A22E102037.d	ICV STD 1248	mix[15]
12 Apr 2022 19:43 pm	A22E102038.d	ISO	
12 Apr 2022 19:56 pm	A22E102039.d	1242 10	mix[14]
12 Apr 2022 20:09 pm	A22E102040.d	1242 20	mix[14]
12 Apr 2022 20:23 pm	A22E102041.d	1242 50	mix[14] S070317
12 Apr 2022 20:36 pm	A22E102042.d	1242 100	mix[14]
12 Apr 2022 20:49 pm	A22E102043.d	1242 200	mix[14]
12 Apr 2022 21:03 pm	A22E102044.d	1242 500	mix[14]
12 Apr 2022 21:16 pm	A22E102045.d	ISO	
12 Apr 2022 21:29 pm	A22E102046.d	ICV STD 1242	mix[14]
12 Apr 2022 21:43 pm	A22E102047.d	ISO	
12 Apr 2022 21:56 pm	A22E102048.d	1232/1268 10	mix[13,19]
12 Apr 2022 22:09 pm	A22E102049.d	1232/1268 20	mix[13,19]
12 Apr 2022 22:23 pm	A22E102050.d	1232/1268 50	mix[13,19] S070318
12 Apr 2022 22:36 pm	A22E102051.d	1232/1268 100	mix[13,19]
12 Apr 2022 22:49 pm	A22E102052.d	1232/1268 200	mix[13,19]
12 Apr 2022 23:03 pm	A22E102053.d	1232/1268 500	mix[13,19]
12 Apr 2022 23:16 pm	A22E102054.d	ISO	
12 Apr 2022 23:29 pm	A22E102055.d	ICV STD 32/68	mix[13,19]
12 Apr 2022 23:42 pm	A22E102056.d	ISO	
12 Apr 2022 23:56 pm	A22E102057.d	1221/1262 10	mix[12,18]
13 Apr 2022 0:09 am	A22E102058.d	1221/1262 20	mix[12,18]
13 Apr 2022 0:22 am	A22E102059.d	1221/1262 50	mix[12,18] S070319
13 Apr 2022 0:36 am	A22E102060.d	1221/1262 100	mix[12,18]
13 Apr 2022 0:49 am	A22E102061.d	1221/1262 200	mix[12,18]
13 Apr 2022 1:02 am	A22E102062.d	1221/1262 500	mix[12,18]

Injection Log

C:\msdchem\1\data\041222\

Date	Filename	Lab ID	Sample Info
13 Apr 2022 1:16 am	A22E102063.d	ISO	
13 Apr 2022 1:29 am	A22E102064.d	ICV STD 21/62	mix[12,18]
13 Apr 2022 1:43 am	A22E102065.d	ISO	
13 Apr 2022 1:56 am	A22E102066.d	B300940-SRM1@OIL	

Quantitation Report (Not Reviewed)

3096

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 13:46 pm
Operator : JMB
Sample : 1260/1016 5 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:18 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:36:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	3.220	3.142	112.5E6	77655191	NoCal	NoCal
2) S	Decachlor...	7.337	7.469	105.6E6	59742942	NoCal	NoCal
	Target Compounds						
3) L1	1016{1}	3.994	4.062	1974476	1405965	NoCal	NoCal
4) L1	1016{2}	4.210	4.233	5412526	3644319	NoCal	NoCal
5) L1	1016{3}	4.319	4.423	4175306	1503008	NoCal	NoCal
6) L1	1016{4}	4.371	4.498	2458902	1595062	NoCal	NoCal
7) L1	1016{5}	4.654	4.717	3294416	2156091	NoCal	NoCal
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	5.661	5.754	6416256	4563292	NoCal	NoCal
9) L7	1260{2}	5.886	5.919	9573833	5349619	NoCal	NoCal
10) L7	1260{3}	6.180	6.248	5802479	3857480	NoCal	NoCal
11) L7	1260{4}	6.351	6.447	5809787	4398256	NoCal	NoCal
12) L7	1260{5}	6.550	6.600	11926119	10055296	NoCal	NoCal
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D.
15) L6	1254{3}	0.000	0.000	0	0	N.D.	N.D.
16) L6	1254{4}	0.000	0.000	0	0	N.D.	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D.	N.D.
22) L5	1248{5}	0.000	0.000	0	0	N.D.	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D.	N.D.
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 13:46 pm
Operator : JMB
Sample : 1260/1016 5 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3097

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:18 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:36:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D.
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39)	L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

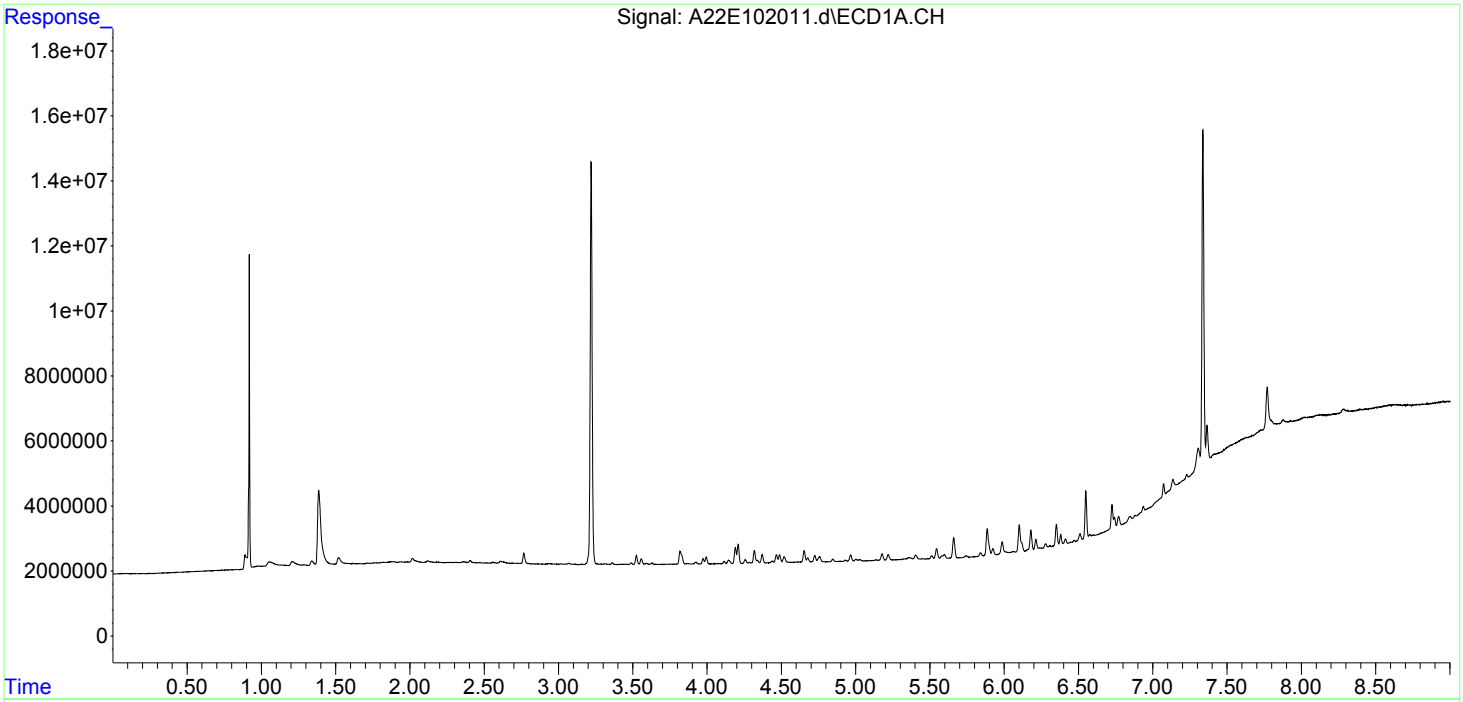
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

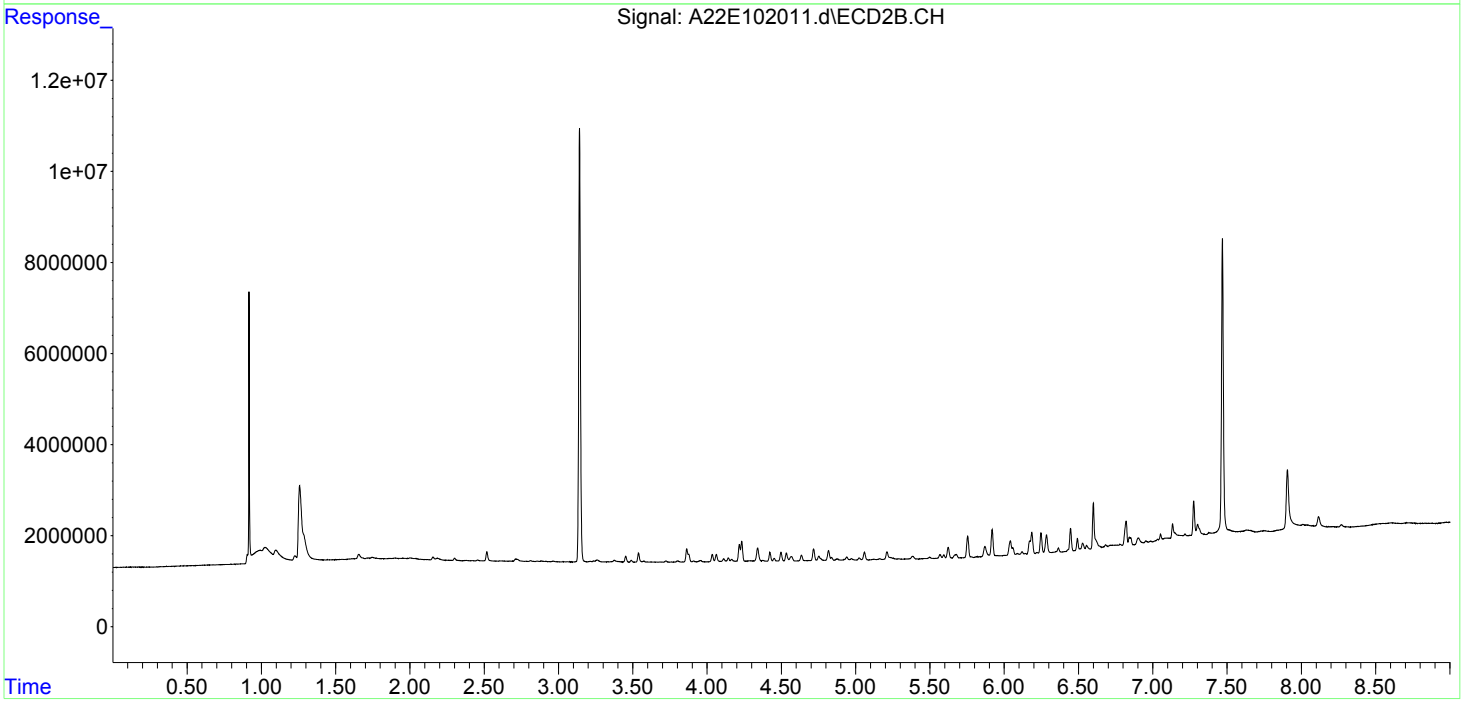
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 13:46 pm
Operator : JMB
Sample : 1260/1016 5 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3098

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:18 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:36:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

3099

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 13:59 pm
Operator : JMB
Sample : 1260/1016 10 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	3.219	3.142	234.1E6	165.3E6	10.404	10.644
2) S	Decachlor...	7.337	7.468	200.2E6	106.7E6	9.476	8.932
	Target Compounds						
3) L1	1016{1}	3.993	4.062	4021698	2925415	NoCal	NoCal
4) L1	1016{2}	4.208	4.233	11161843	7703514	NoCal	NoCal
5) L1	1016{3}	4.317	4.423	7353434	3377143	NoCal	NoCal
6) L1	1016{4}	4.370	4.497	5030178	3397789	NoCal	NoCal
7) L1	1016{5}	4.652	4.717	6741199	4760118	NoCal	NoCal
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	5.659	5.754	13447168	9453587	NoCal	NoCal
9) L7	1260{2}	5.885	5.918	19749414	10839163	NoCal	NoCal
10) L7	1260{3}	6.178	6.247	11907848	7815478	NoCal	NoCal
11) L7	1260{4}	6.350	6.446	12210102	8908293	NoCal	NoCal
12) L7	1260{5}	6.548	6.600	24946294	20579403	NoCal	NoCal
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D.
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D.
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 13:59 pm
Operator : JMB
Sample : 1260/1016 10 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3100

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D.
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

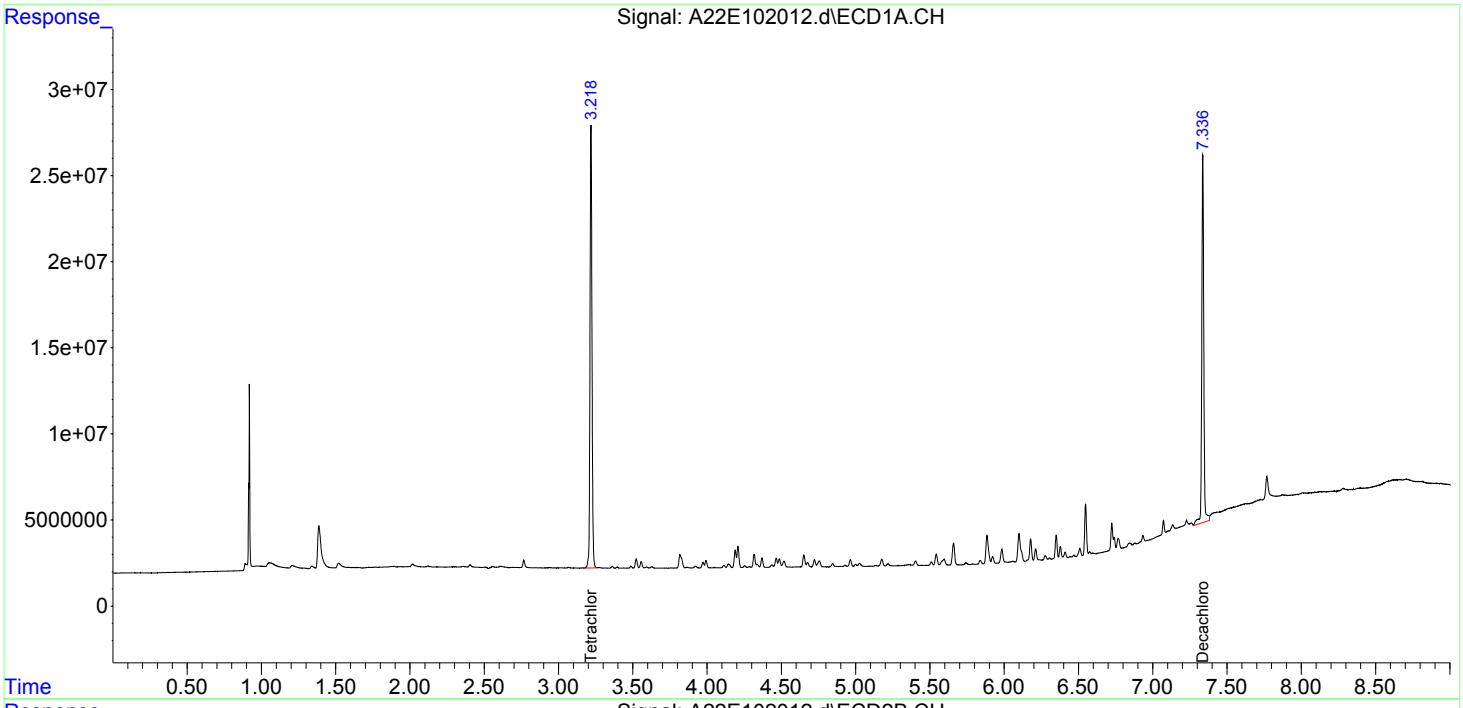
Quantitation Report (QT Reviewed)

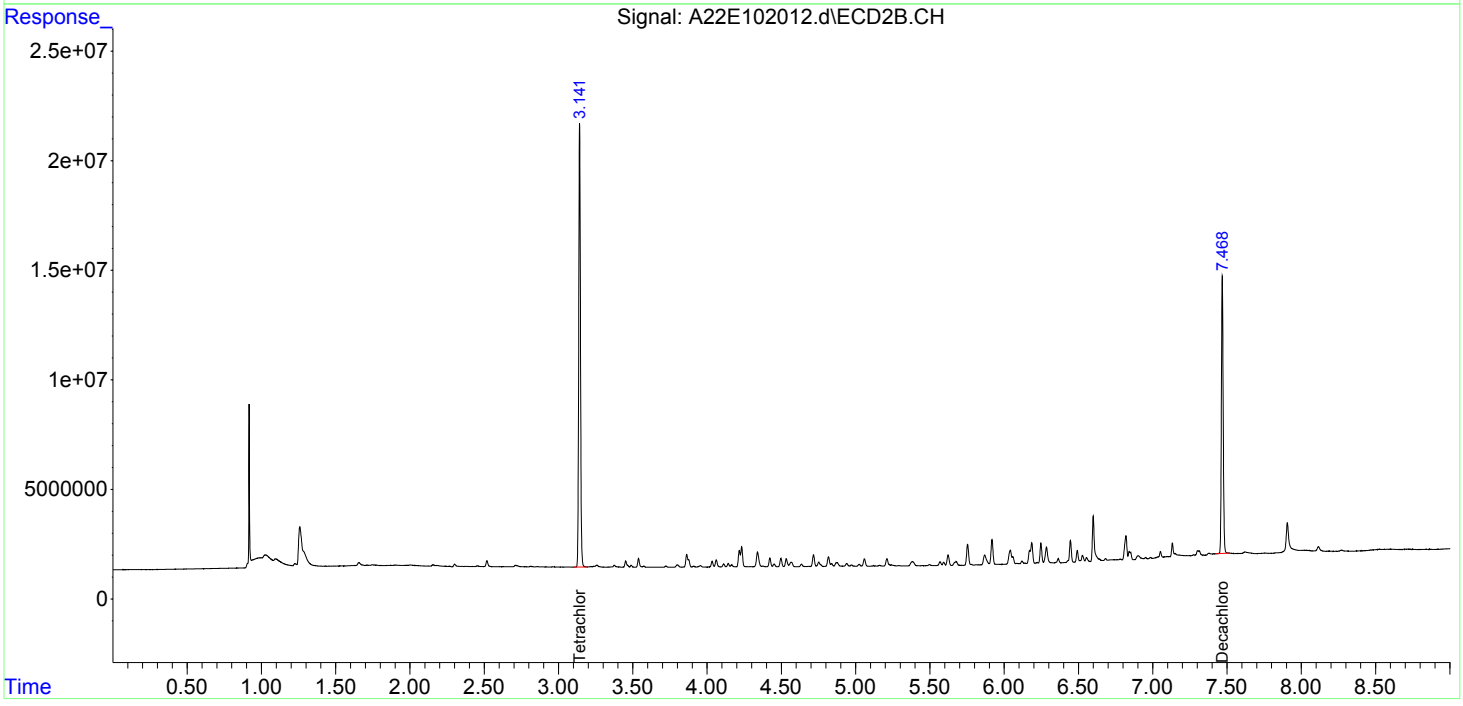
3101

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 13:59 pm
Operator : JMB
Sample : 1260/1016 10 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3102

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:12 pm
Operator : JMB
Sample : 1260/1016 20 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:20 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	3.218	3.142	458.0E6	322.9E6	19.946	20.140
2) S	Decachlor...	7.335	7.468	367.1E6	206.6E6	17.842	18.266
	Target Compounds						
3) L1	1016{1}	3.993	4.062	7398056	5552817	18.395	18.981
4) L1	1016{2}	4.208	4.233	21251181	14274417	19.039	18.530
5) L1	1016{3}	4.316	4.423	14086711	6519761	19.157	19.306
6) L1	1016{4}	4.369	4.498	9711845	6421866	19.307	18.900
7) L1	1016{5}	4.651	4.717	13039905	8907904	19.344	18.714
Sum	1016			65487697	41676765	95.242	94.430
Average	1016					19.048	18.886
8) L7	1260{1}	5.658	5.754	25265444	17804954	18.789	18.834
9) L7	1260{2}	5.884	5.918	37060451	19851182	18.765	18.314
10) L7	1260{3}	6.178	6.247	22649985	14716268	19.021	18.830
11) L7	1260{4}	6.349	6.446	23004803	16676253	18.841	18.720
12) L7	1260{5}	6.547	6.599	47119715	33805852	18.888	16.427
Sum	1260			155.1E6	102.9E6	94.304	91.125
Average	1260					18.861	18.225
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D.
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:12 pm
Operator : JMB
Sample : 1260/1016 20 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3103

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:20 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

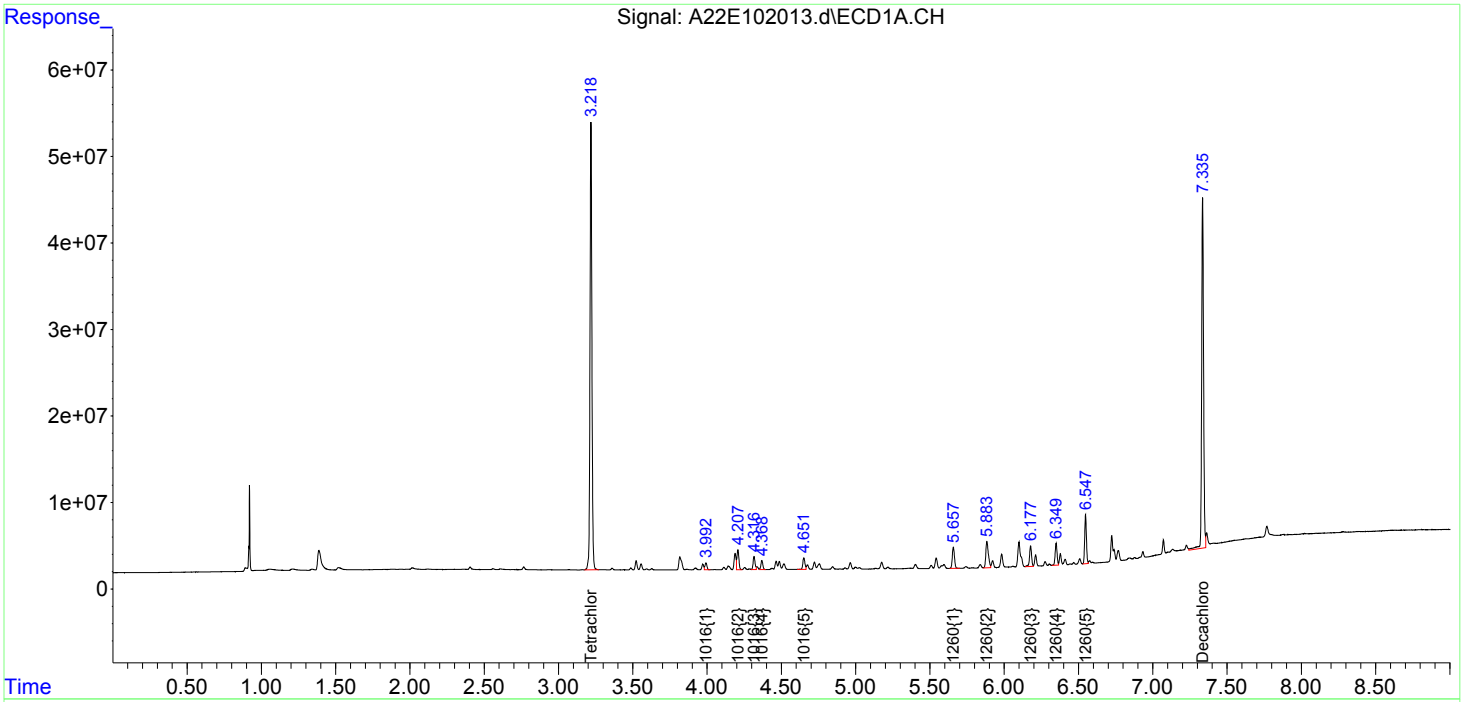
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

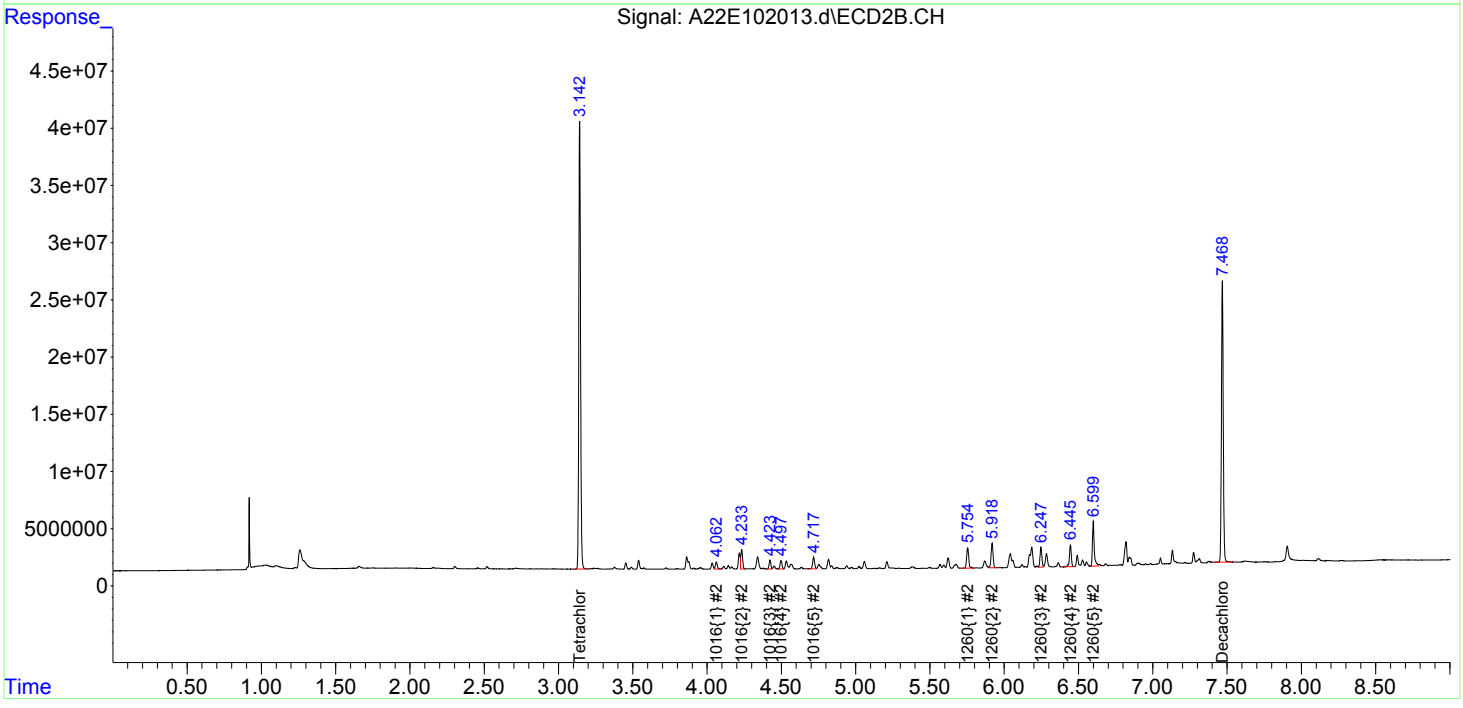
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:12 pm
Operator : JMB
Sample : 1260/1016 20 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3104

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:20 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3105

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:26 pm
Operator : JMB
Sample : 1260/1016 50 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	3.219	3.142	1022.2E6	773.1E6	44.561	48.114
2) S	Decachlor...	7.336	7.468	901.9E6	490.2E6	45.475	44.627
	Target Compounds						
3) L1	1016{1}	3.993	4.062	17289658	12657308	44.788	44.397
4) L1	1016{2}	4.208	4.233	50483438	33042221	46.342	44.529
5) L1	1016{3}	4.317	4.423	33102556	15112468	45.986	45.540
6) L1	1016{4}	4.369	4.497	22669190	14568275	45.861	44.088
7) L1	1016{5}	4.652	4.717	30204664	20606947	45.554	44.729
Sum	1016			153.7E6	95987220	228.530	223.284
Average	1016					45.706	44.657
8) L7	1260{1}	5.659	5.754	58692618	40276848	45.010	43.884
9) L7	1260{2}	5.884	5.918	85691399	44176312	44.771	42.549
10) L7	1260{3}	6.178	6.247	53244828	33530537	45.836	44.196
11) L7	1260{4}	6.350	6.446	54013538	38183414	45.557	44.280
12) L7	1260{5}	6.548	6.599	111.5E6	73443000	45.956	39.188
Sum	1260			363.1E6	229.6E6	227.130	214.097
Average	1260					45.426	42.819
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:26 pm
Operator : JMB
Sample : 1260/1016 50 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3106

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

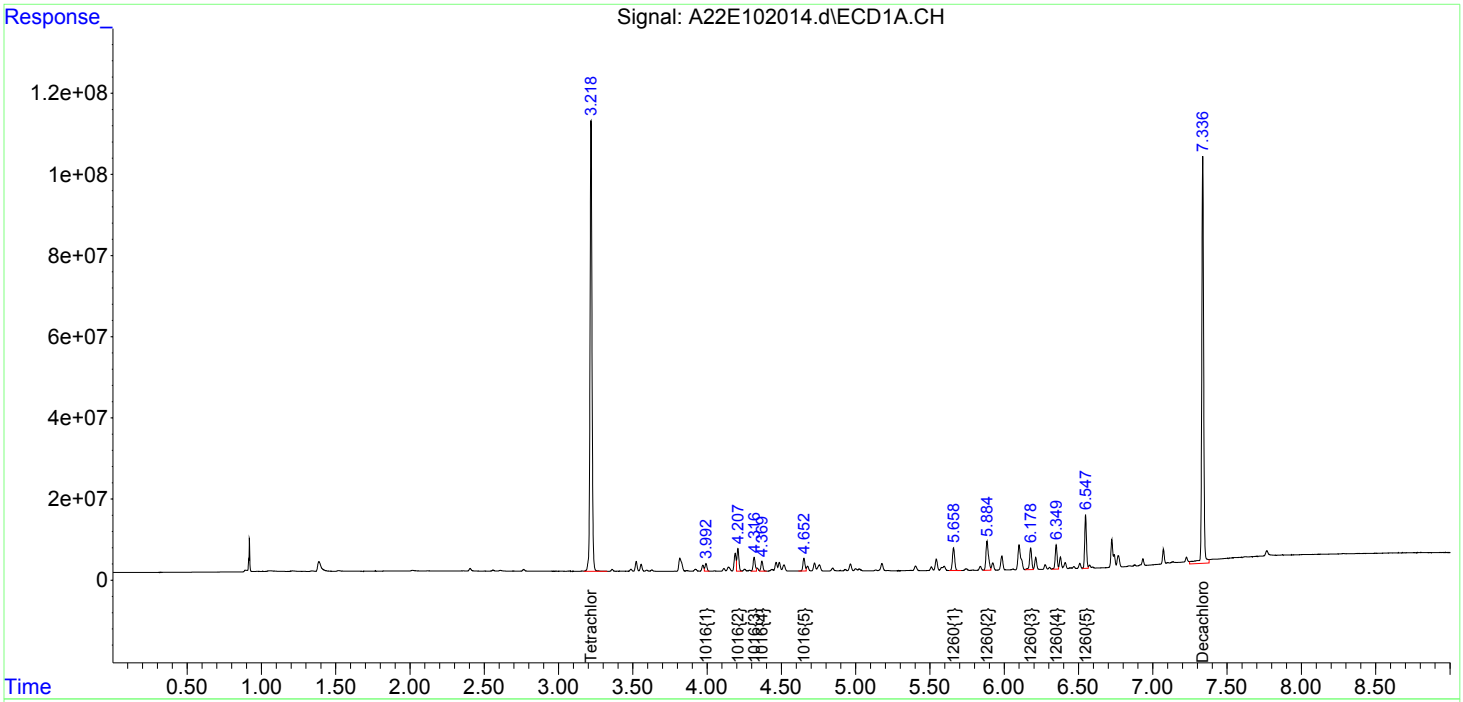
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

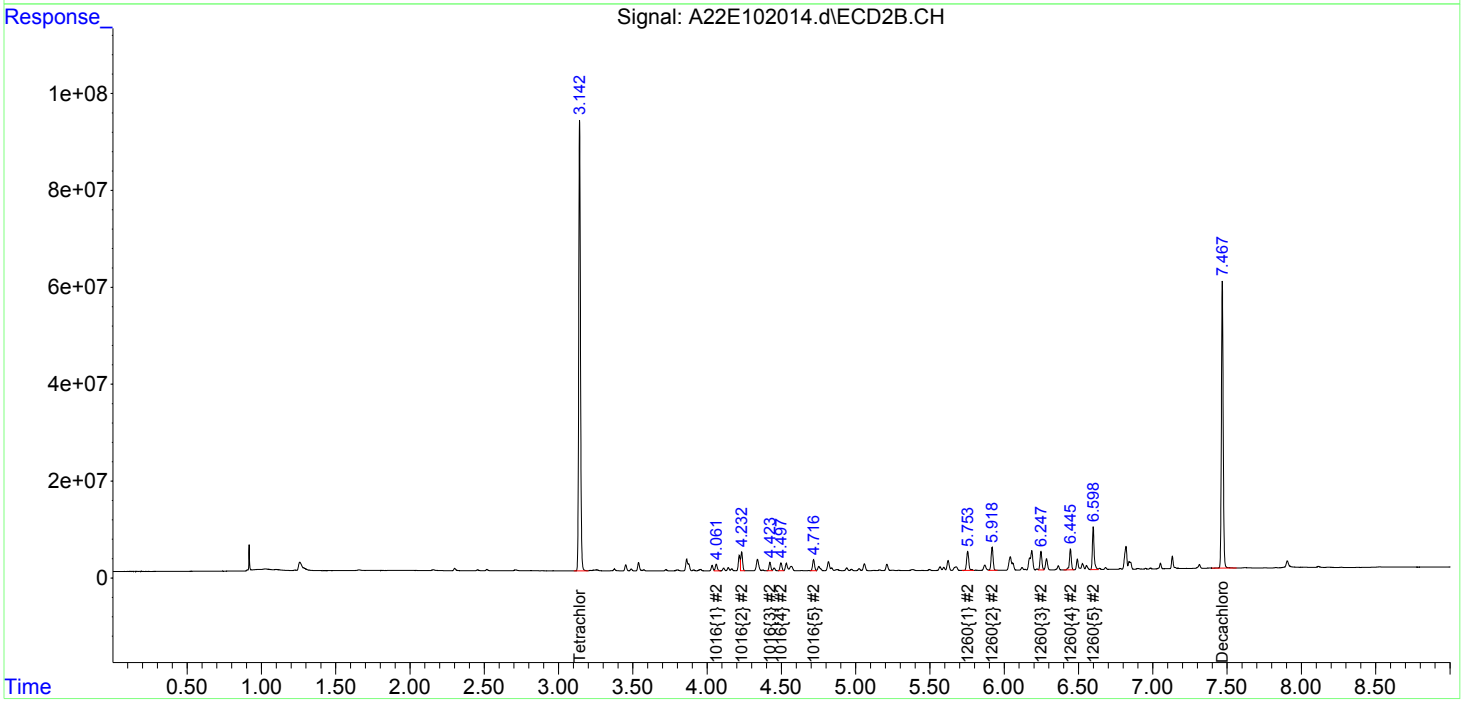
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:26 pm
Operator : JMB
Sample : 1260/1016 50 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3107

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3108

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:39 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:23 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:22 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	3.219	3.142	2280.5E6	1484.3E6	102.189	93.255
2) S	Decachlor...	7.336	7.468	1686.2E6	960.5E6	86.986	89.867
	Target Compounds						
3) L1	1016{1}	3.993	4.063	32559076	23615926	87.378	86.050
4) L1	1016{2}	4.208	4.233	97900997	62440354	92.116	87.333
5) L1	1016{3}	4.318	4.423	62752316	28542142	89.572	88.645
6) L1	1016{4}	4.370	4.498	43558547	27016906	90.621	85.116
7) L1	1016{5}	4.653	4.717	57523544	38629027	89.405	86.901
Sum	1016			294.3E6	180.2E6	449.093	434.045
Average	1016					89.819	86.809
8) L7	1260{1}	5.659	5.754	111.5E6	75882569	88.481	86.193
9) L7	1260{2}	5.885	5.918	163.8E6	82749082	88.680	83.867
10) L7	1260{3}	6.178	6.248	101.5E6	63132539	89.899	86.563
11) L7	1260{4}	6.351	6.446	103.4E6	71636390	89.886	86.368
12) L7	1260{5}	6.548	6.600	214.0E6	137.2E6	90.698	78.882
Sum	1260			694.3E6	430.6E6	447.644	421.873
Average	1260					89.529	84.375
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:39 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:23 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:22 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

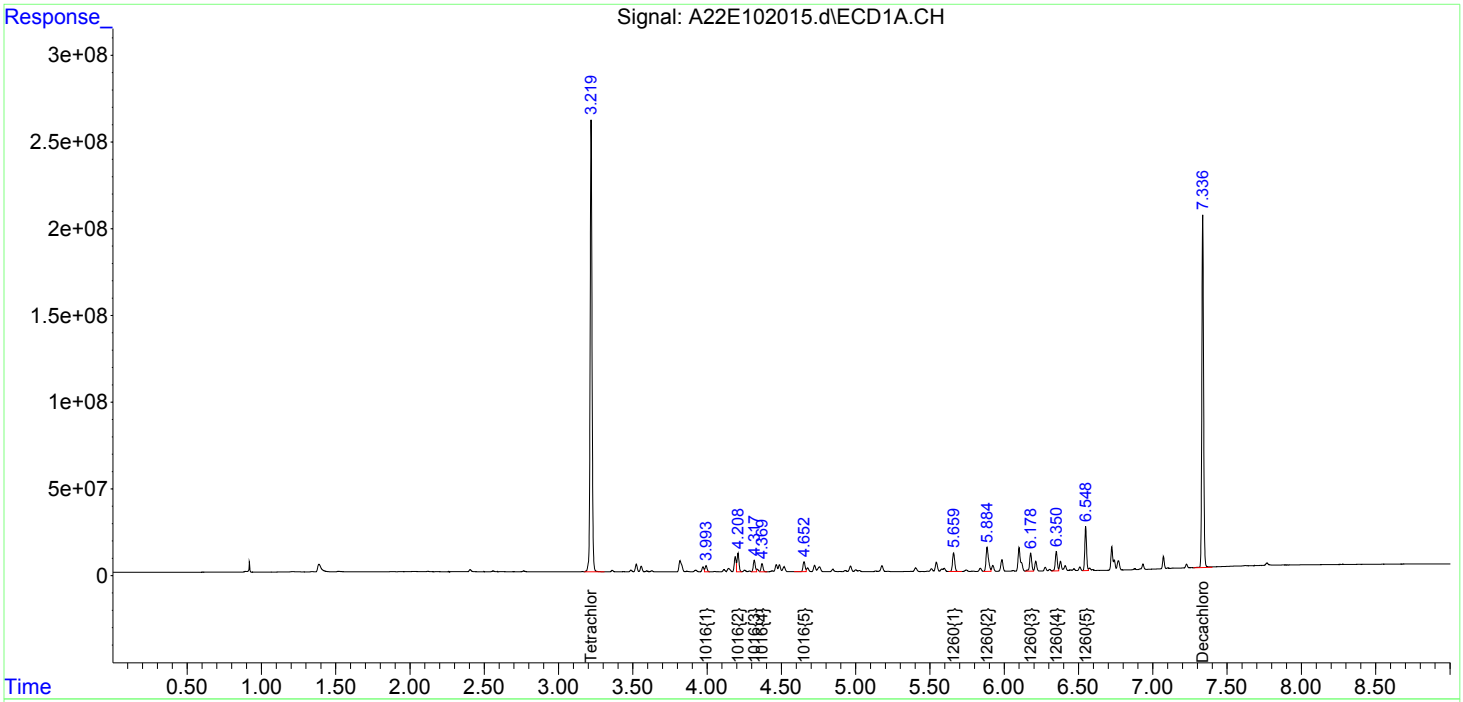
Quantitation Report (Not Reviewed)

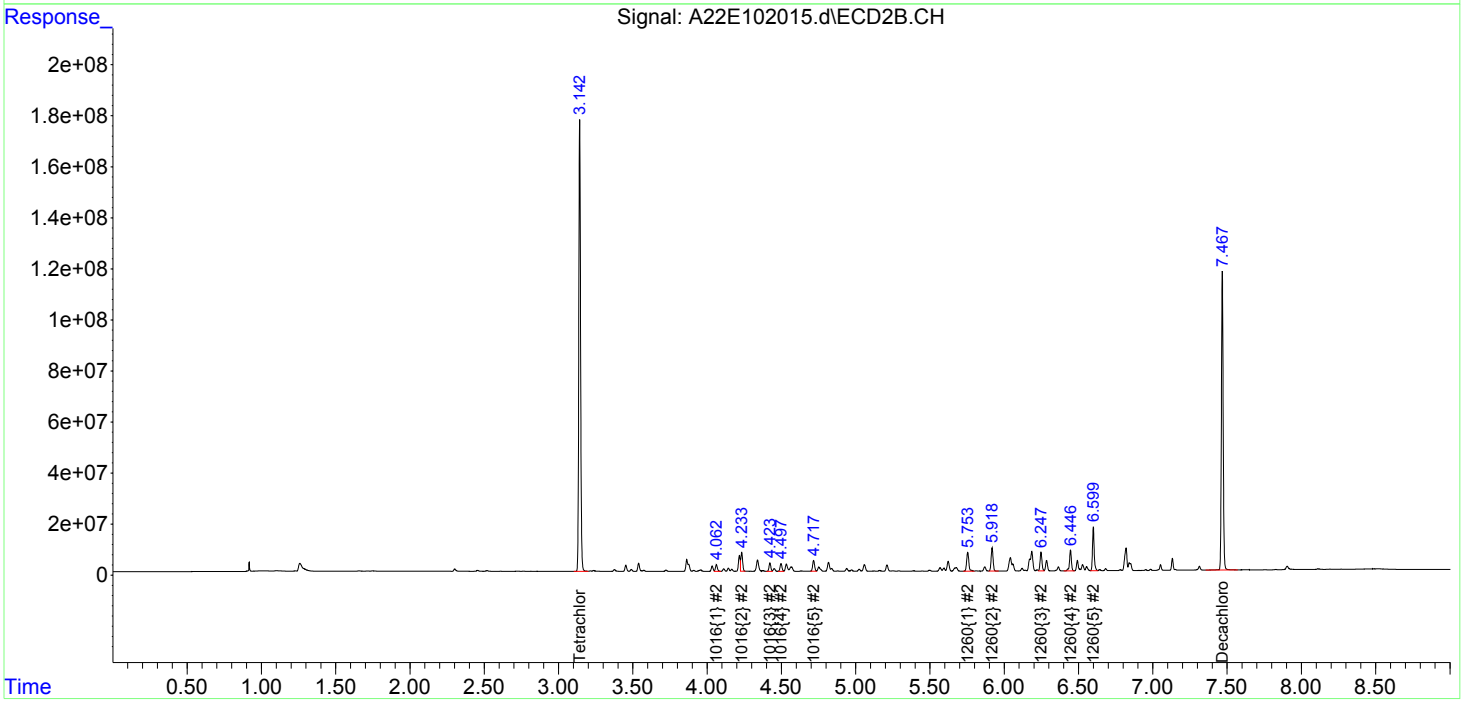
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:39 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3110

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:23 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:22 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:52 pm
Operator : JMB
Sample : 1260/1016 200 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3111

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:25 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:24 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	S Tetrachlo...	3.219	3.142	4299.8E6	2869.6E6	191.836	182.748
2)	S Decachlor...	7.335	7.468	3446.9E6	1908.4E6	182.560	182.247
	Target Compounds						
3)	L1 1016{1}	3.992	4.062	62832096	44573099	174.116	168.282
4)	L1 1016{2}	4.207	4.232	193.9E6	121.6E6	186.082	175.622
5)	L1 1016{3}	4.316	4.423	122.5E6	54632145	179.608	174.631
6)	L1 1016{4}	4.369	4.497	84994958	50865924	181.073	166.445
7)	L1 1016{5}	4.651	4.717	111.0E6	73726348	177.141	171.473
	Sum 1016			575.2E6	345.4E6	898.021	856.453
Average	1016					179.604	171.291
8)	L7 1260{1}	5.658	5.754	217.7E6	146.6E6	177.842	172.443
9)	L7 1260{2}	5.883	5.918	322.3E6	159.1E6	179.548	168.048
10)	L7 1260{3}	6.177	6.247	199.2E6	121.2E6	180.961	171.923
11)	L7 1260{4}	6.349	6.446	203.4E6	138.5E6	181.334	172.815
12)	L7 1260{5}	6.547	6.599	428.6E6	268.1E6	185.941	162.743
	Sum 1260			1371.2E6	833.4E6	905.626	847.972
Average	1260					181.125	169.594
13)	L6 1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14)	L6 1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15)	L6 1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16)	L6 1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17)	L6 1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18)	L5 1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19)	L5 1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20)	L5 1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21)	L5 1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22)	L5 1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23)	L4 1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24)	L4 1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25)	L4 1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26)	L4 1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27)	L4 1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28)	L3 1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29)	L3 1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30)	L3 1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31)	L3 1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:52 pm
Operator : JMB
Sample : 1260/1016 200 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:25 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:24 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

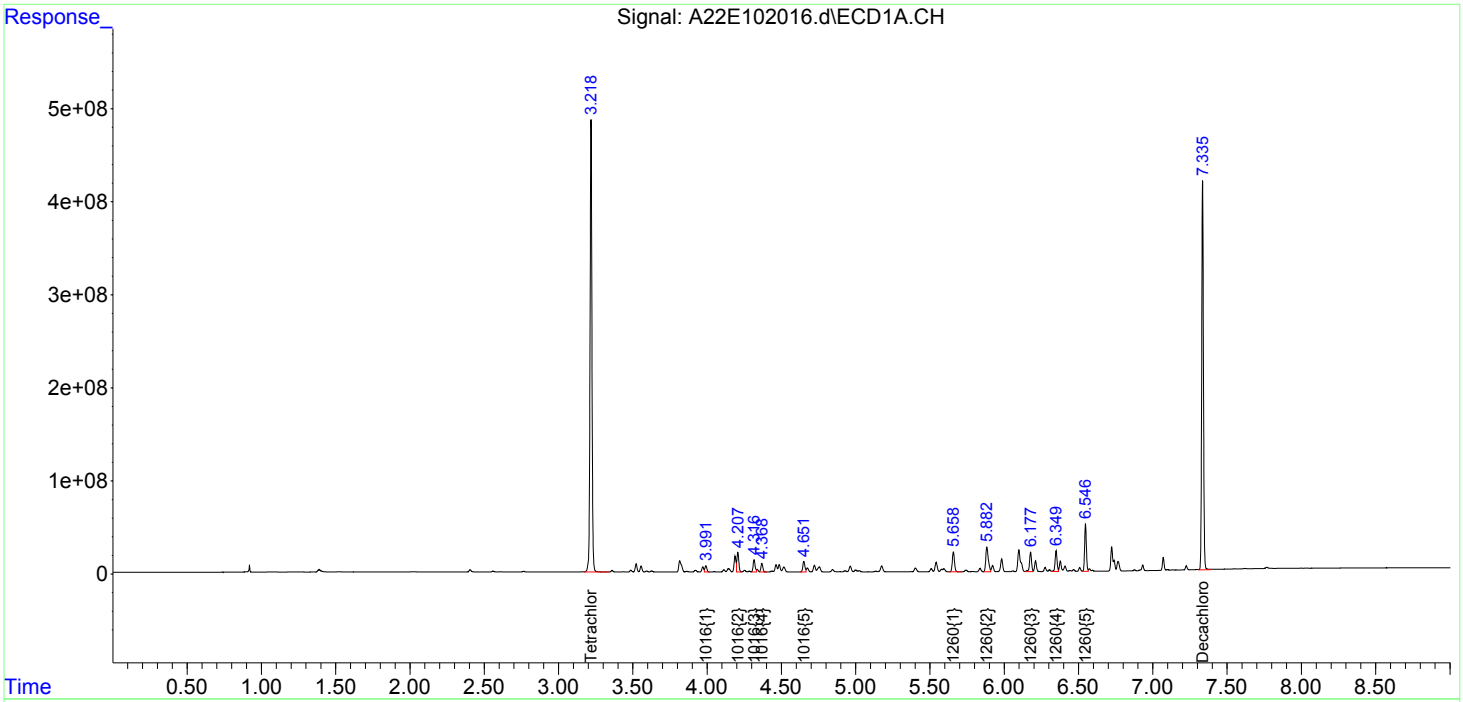
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

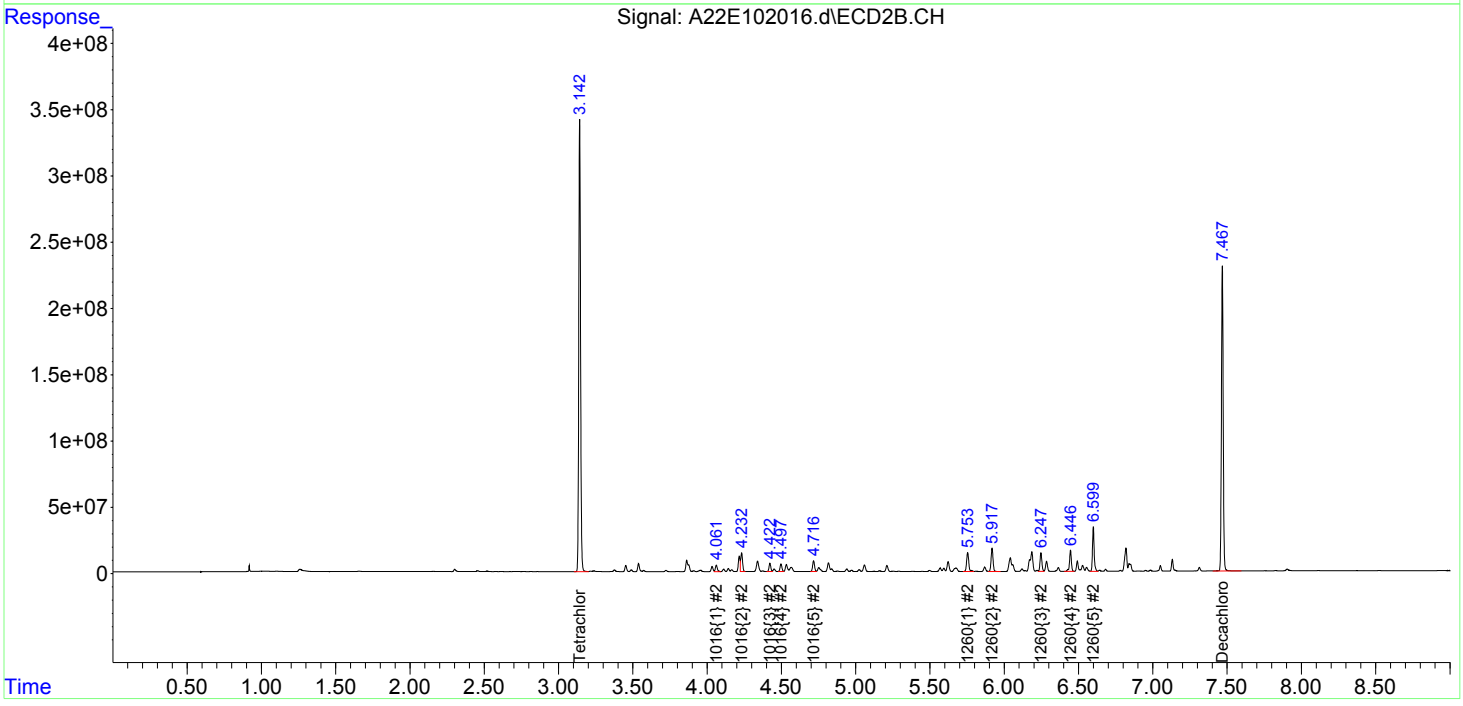
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 14:52 pm
Operator : JMB
Sample : 1260/1016 200 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3113

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:25 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:24 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3114

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102017.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:05 pm
Operator : JMB
Sample : 1260/1016 500 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:26 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:26 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	3.219	3.143	11253.8E6	6770.0E6	505.528	437.437
2) S	Decachlor...	7.336	7.468	8848.9E6	4664.1E6	475.583	452.094
	Target Compounds						
3) L1	1016{1}	3.992	4.061	148.8E6	104.4E6	423.379	407.189
4) L1	1016{2}	4.207	4.232	476.9E6	290.7E6	464.224	430.418
5) L1	1016{3}	4.316	4.422	344.8E6	130.5E6	515.790	427.956
6) L1	1016{4}	4.369	4.497	208.2E6	118.8E6	452.093	402.109
7) L1	1016{5}	4.651	4.716	267.6E6	174.6E6	437.180	417.984
Sum	1016			1446.3E6	819.0E6	2292.665	2085.655
Average	1016					458.533	417.131
8) L7	1260{1}	5.658	5.753	525.9E6	344.4E6	439.272	416.704
9) L7	1260{2}	5.883	5.918	779.7E6	377.2E6	443.435	411.536
10) L7	1260{3}	6.177	6.247	483.1E6	287.7E6	447.321	420.015
11) L7	1260{4}	6.349	6.445	498.6E6	328.2E6	453.105	421.157
12) L7	1260{5}	6.547	6.599	1069.2E6	645.4E6	470.486	406.965
Sum	1260			3356.5E6	1983.0E6	2253.618	2076.377
Average	1260					450.724	415.275
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102017.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:05 pm
Operator : JMB
Sample : 1260/1016 500 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:26 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:26 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

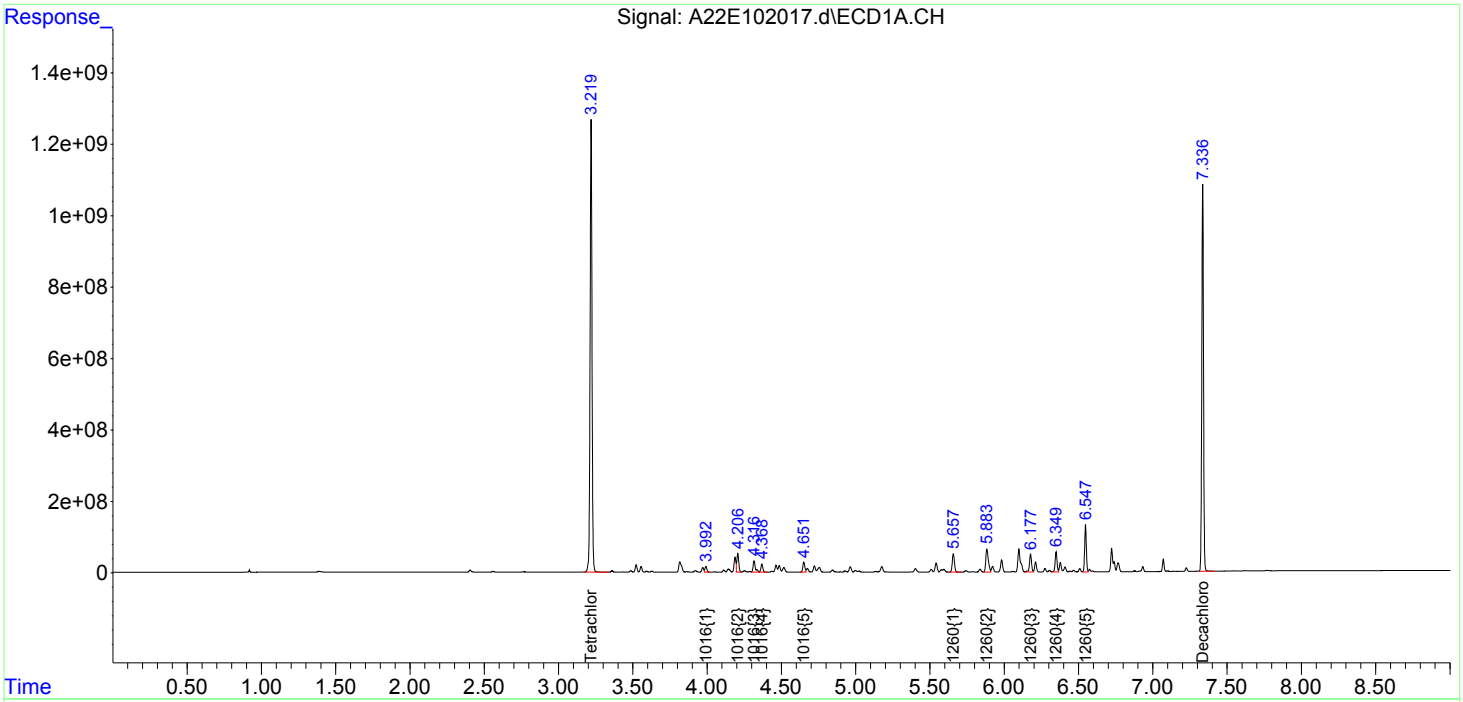
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

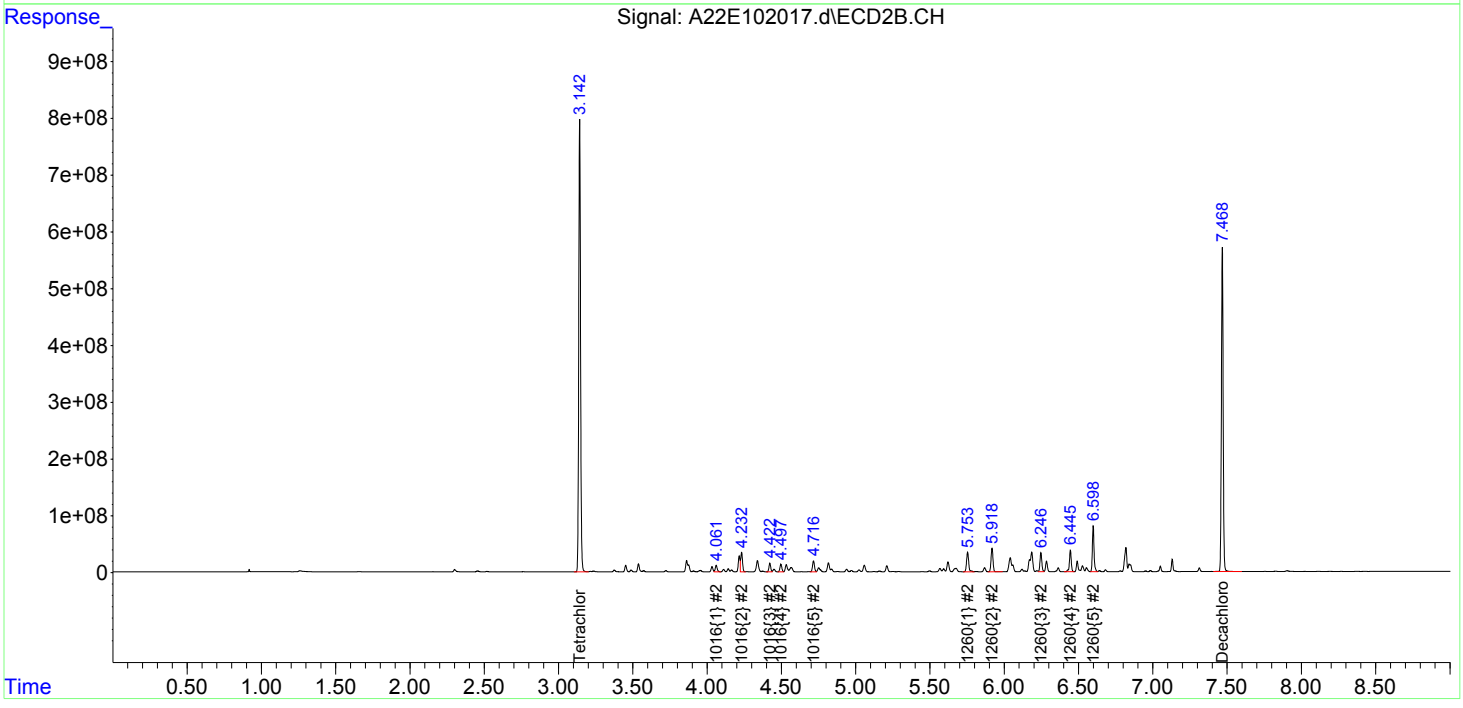
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102017.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:05 pm
Operator : JMB
Sample : 1260/1016 500 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3116

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:37:26 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:26 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3117

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102019.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:32 pm
Operator : JMB
Sample : ICV STD 60/16 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:38:45 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	3.219	3.143	2181.6E6	1410.2E6	97.843	92.778
2) S	Decachlor...	7.335	7.467	1696.2E6	975.2E6	91.801	95.841
	Target Compounds						
3) L1	1016{1}	3.993	4.062	31428073	22853869	91.749	91.954
4) L1	1016{2}	4.208	4.232	94764853	60742531	93.355	92.064
5) L1	1016{3}	4.316	4.423	61142421	27945188	90.997	93.907
6) L1	1016{4}	4.369	4.497	42566096	26297874	93.932	92.044
7) L1	1016{5}	4.652	4.717	55642148	37636363	92.857	92.638
Sum	1016			285.5E6	175.5E6	462.889	462.606
Average	1016					92.578	92.521
8) L7	1260{1}	5.658	5.754	109.9E6	76566859	93.700	95.278
9) L7	1260{2}	5.884	5.918	159.4E6	82169538	92.405	92.368
10) L7	1260{3}	6.178	6.248	98174367	62291924	92.534	93.423
11) L7	1260{4}	6.349	6.446	99290102	71097755	91.657	93.685
12) L7	1260{5}	6.548	6.599	208.0E6	134.0E6	92.423	87.187
Sum	1260			674.8E6	426.1E6	462.719	461.941
Average	1260					92.544	92.388
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102019.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:32 pm
Operator : JMB
Sample : ICV STD 60/16 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:38:45 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

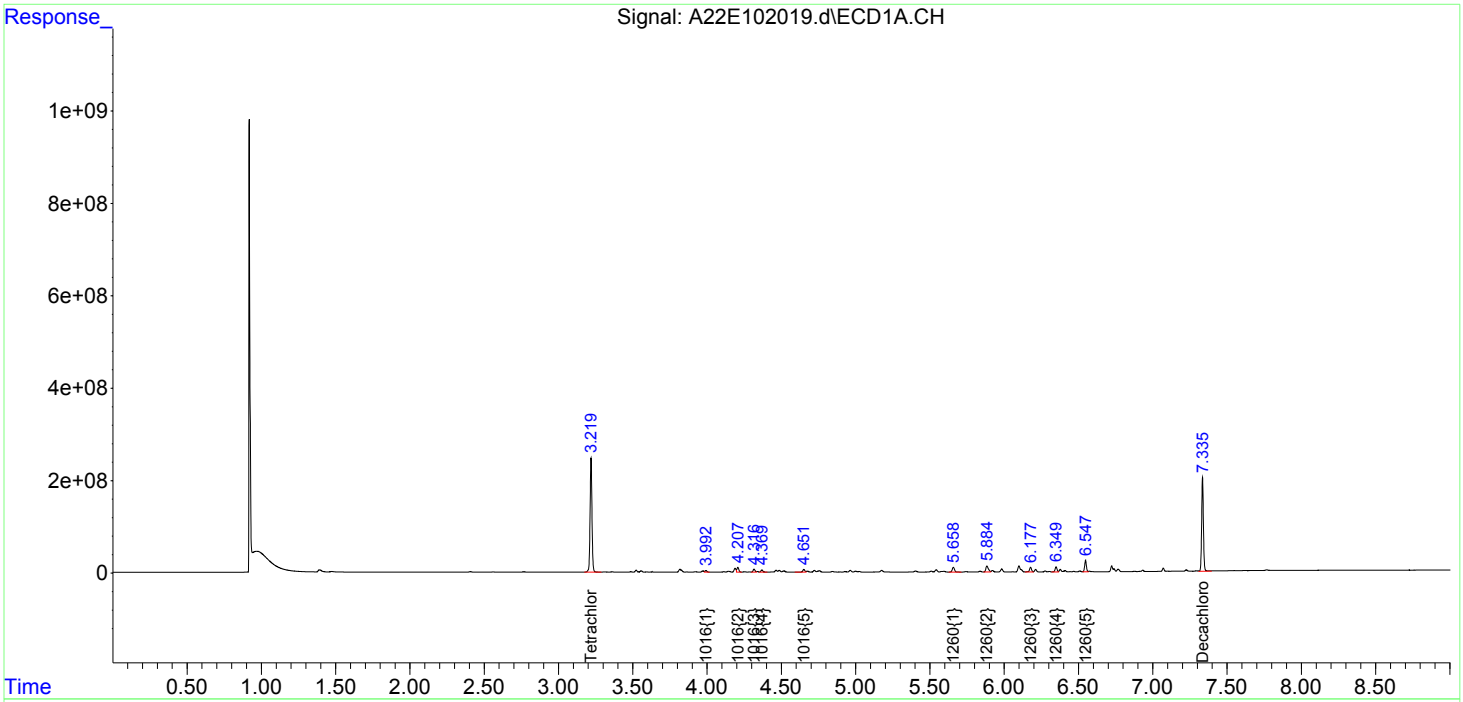
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

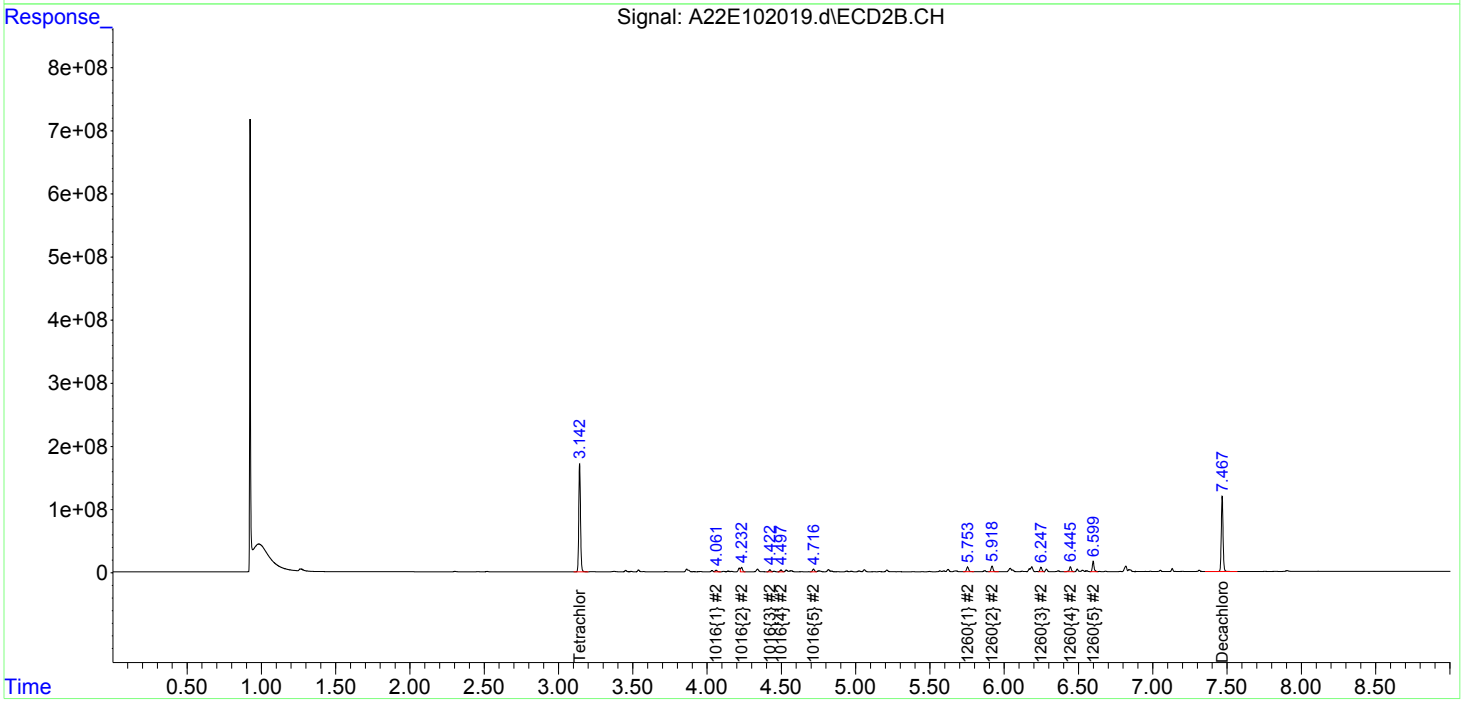
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102019.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:32 pm
Operator : JMB
Sample : ICV STD 60/16 Inst : ECD1
Misc : mix[s,l1,l7]
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3119

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:38:45 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:37:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3120

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102021.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:58 pm
Operator : JMB
Sample : 1254 10 Inst : ECD1
Misc : mix[l6]
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:10 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:09 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D.	N.D.
4) L1	1016{2}	0.000	0.000	0	0	N.D.	N.D.
5) L1	1016{3}	0.000	0.000	0	0	N.D.	N.D.
6) L1	1016{4}	0.000	0.000	0	0	N.D.	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D.	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	4.962	5.058	7890405	6432590	NoCal	NoCal
14) L6	1254{2}	5.407	5.496	8110582	5659511	NoCal	NoCal
15) L6	1254{3}	5.507	5.593	13714596	9088048	NoCal	NoCal
16) L6	1254{4}	5.738	5.917	9989408	4794868	NoCal	NoCal
17) L6	1254{5}	6.099	6.185	14586868	10202926	NoCal	NoCal
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D.	N.D.
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D.	N.D.
24) L4	1242{2}	0.000	0.000	0	0	N.D.	N.D.
25) L4	1242{3}	0.000	0.000	0	0	N.D.	N.D.
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D.	N.D.
29) L3	1232{2}	0.000	0.000	0	0	N.D.	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D.
31) L3	1232{4}	0.000	0.000	0	0	N.D.	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102021.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:58 pm
Operator : JMB
Sample : 1254 10 Inst : ECD1
Misc : mix[l6]
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3121

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:10 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:09 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32) L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232			0	0	N.D.	N.D.
Average 1232					0.000	0.000
33) L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34) L9 1268{2}	0.000	0.000	0	0	N.D.	N.D. d
35) L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D.
36) L9 1268{4}	0.000	0.000	0	0	N.D.	N.D.
37) L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268			0	0	N.D.	N.D.
Average 1268					0.000	0.000
38) L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39) L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40) L2 1221{3}	0.000	0.000	0	0	N.D.	N.D.
Sum 1221			0	0	N.D.	N.D.
Average 1221					0.000	0.000
41) L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42) L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43) L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D.
44) L8 1262{4}	0.000	0.000	0	0	N.D.	N.D. d
45) L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262			0	0	N.D.	N.D.
Average 1262					0.000	0.000

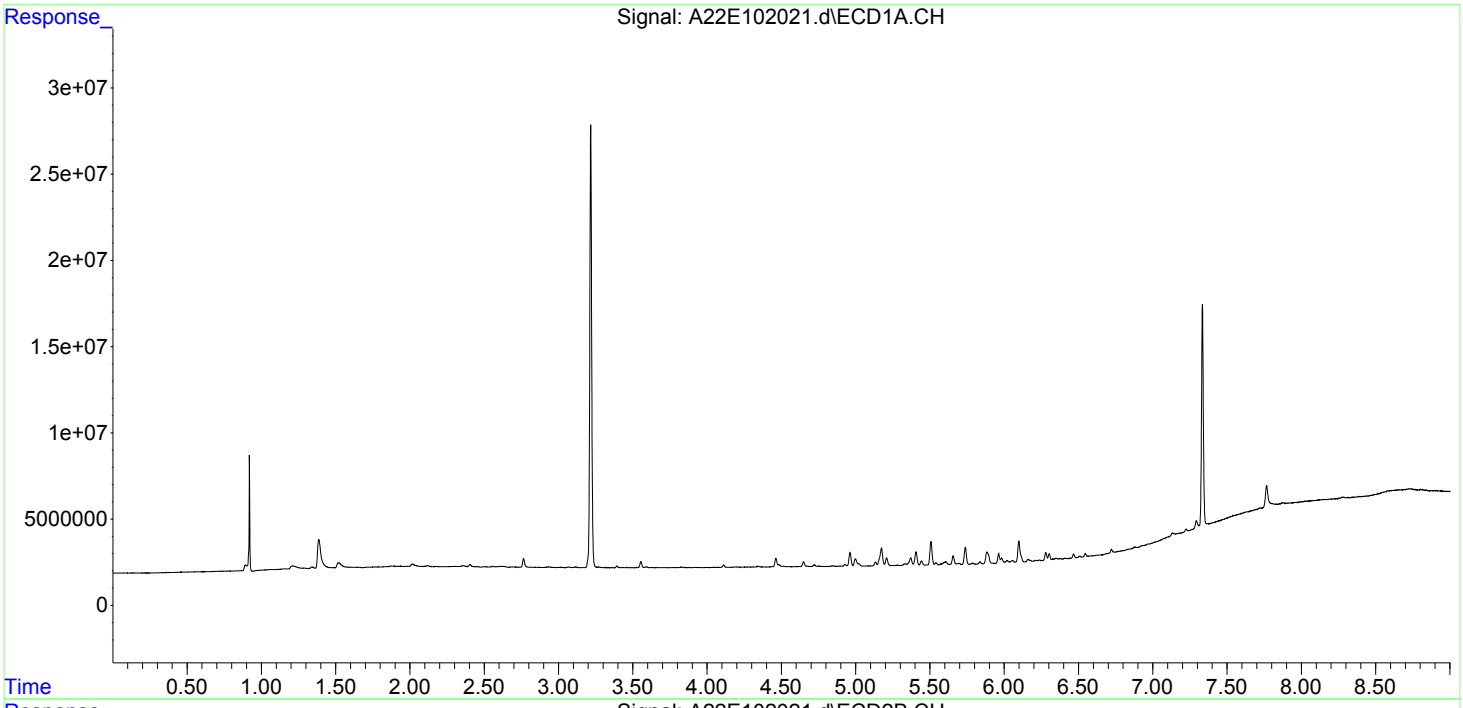
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

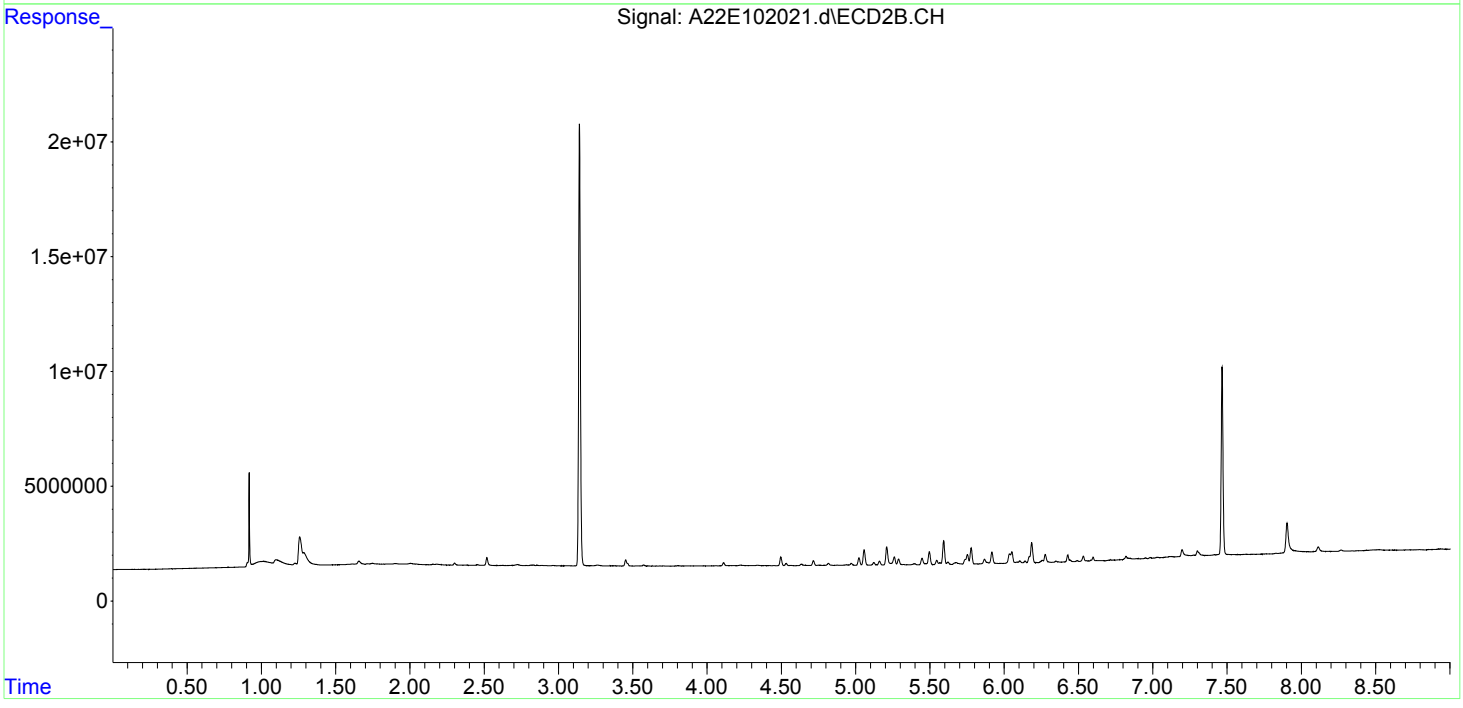
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102021.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 15:58 pm
Operator : JMB
Sample : 1254 10 Inst : ECD1
Misc : mix[l6]
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3122

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:10 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:09 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3123

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102022.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:11 pm
Operator : JMB
Sample : 1254 20 Inst : ECD1
Misc : mix[l6]
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:11 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:10 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D.	N.D.
4) L1	1016{2}	0.000	0.000	0	0	N.D.	N.D.
5) L1	1016{3}	0.000	0.000	0	0	N.D.	N.D.
6) L1	1016{4}	0.000	0.000	0	0	N.D.	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	4.963	5.058	17307867	13612530	21.935	21.162
14) L6	1254{2}	5.408	5.497	17729363	12049703	21.860	21.291
15) L6	1254{3}	5.509	5.593	30736422	20934428	22.411	23.035
16) L6	1254{4}	5.739	5.918	22114864	10495688	22.138	21.889
17) L6	1254{5}	6.099	6.186	32727932	21534284	22.437	21.106
Sum	1254			120.6E6	78626632	110.781	108.483
Average	1254					22.156	21.697
18) L5	1248{1}	0.000	0.000	0	0	N.D.	N.D.
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D.	N.D.
24) L4	1242{2}	0.000	0.000	0	0	N.D.	N.D.
25) L4	1242{3}	0.000	0.000	0	0	N.D.	N.D.
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D.	N.D.
29) L3	1232{2}	0.000	0.000	0	0	N.D.	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102022.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:11 pm
Operator : JMB
Sample : 1254 20 Inst : ECD1
Misc : mix[l6]
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:11 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:10 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D.
36)	L9 1268{4}	0.000	0.000	0	0	N.D.	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39)	L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

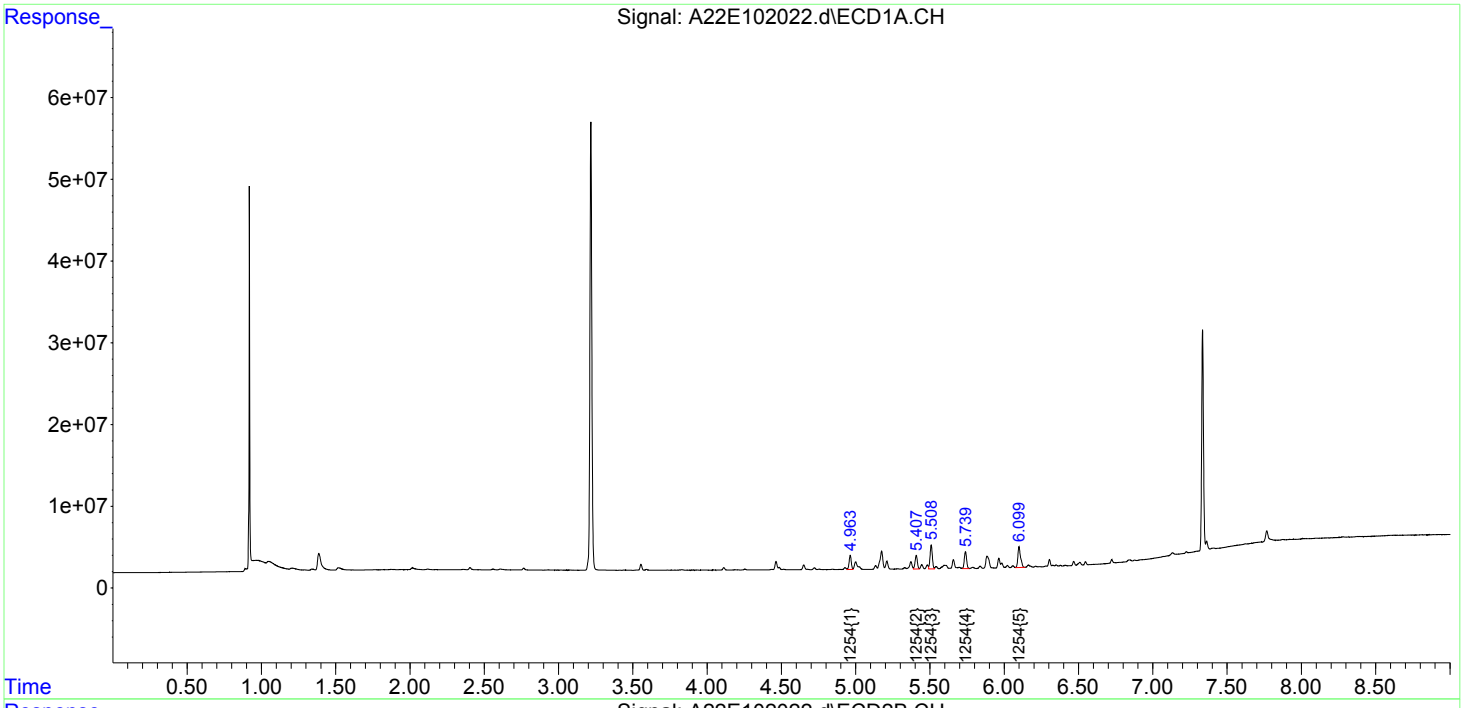
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

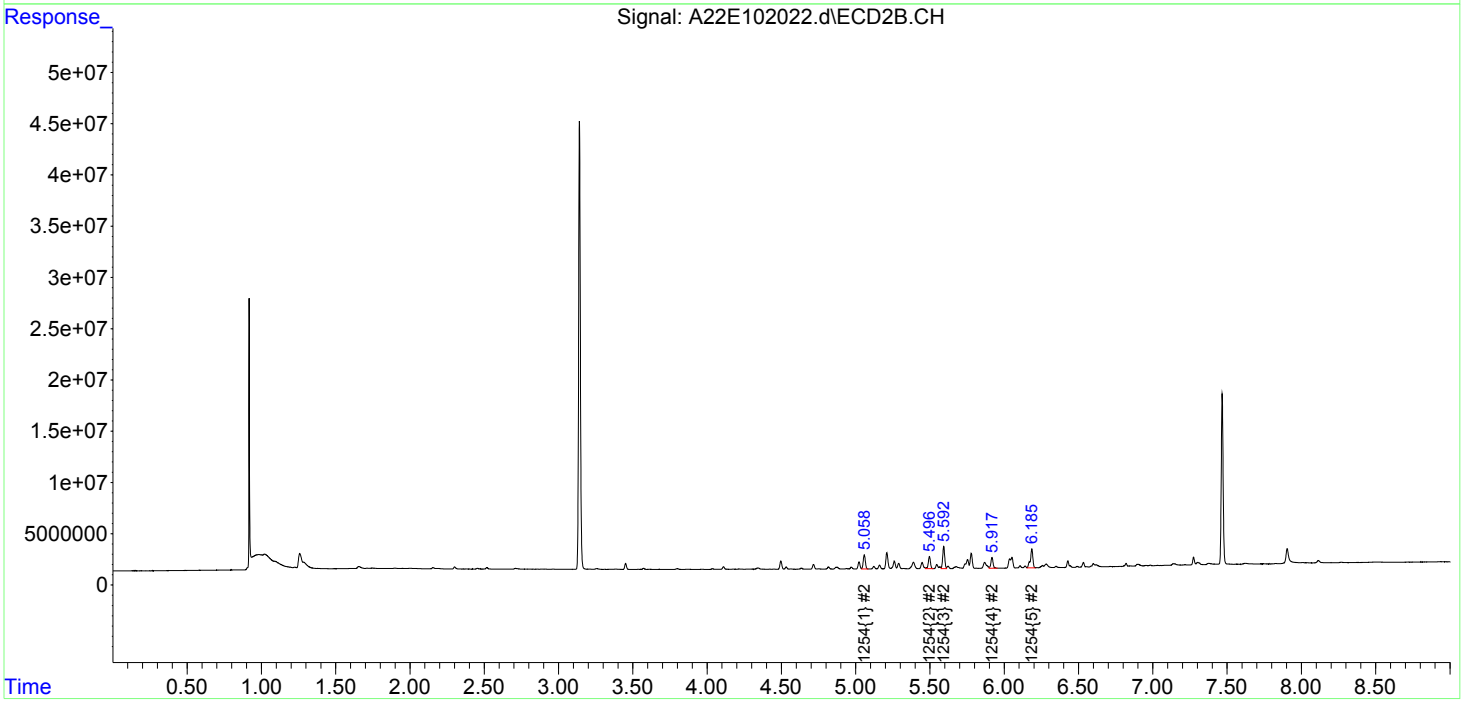
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102022.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:11 pm
Operator : JMB
Sample : 1254 20 Inst : ECD1
Misc : mix[l6]
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3125

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:11 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:10 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3126

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:24 pm
Operator : JMB
Sample : 1254 50 Inst : ECD1
Misc : mix[l6]
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:12 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:11 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D.	N.D.
4) L1	1016{2}	0.000	0.000	0	0	N.D.	N.D.
5) L1	1016{3}	0.000	0.000	0	0	N.D.	N.D.
6) L1	1016{4}	0.000	0.000	0	0	N.D.	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	4.962	5.057	35939274	27962636	43.446	42.243
14) L6	1254{2}	5.406	5.495	37105036	24797086	43.717	42.445
15) L6	1254{3}	5.507	5.592	63251650	43039401	43.498	44.018
16) L6	1254{4}	5.737	5.916	46436075	20801574	44.126	41.426
17) L6	1254{5}	6.098	6.185	65672565	36470640	42.437	34.784
Sum	1254			248.4E6	153.1E6	217.223	204.916
Average	1254					43.445	40.983
18) L5	1248{1}	0.000	0.000	0	0	N.D.	N.D.
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D.	N.D.
24) L4	1242{2}	0.000	0.000	0	0	N.D.	N.D.
25) L4	1242{3}	0.000	0.000	0	0	N.D.	N.D.
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D.	N.D.
29) L3	1232{2}	0.000	0.000	0	0	N.D.	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:24 pm
Operator : JMB
Sample : 1254 50 Inst : ECD1
Misc : mix[l6]
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:12 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:11 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D.	N.D.
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39)	L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

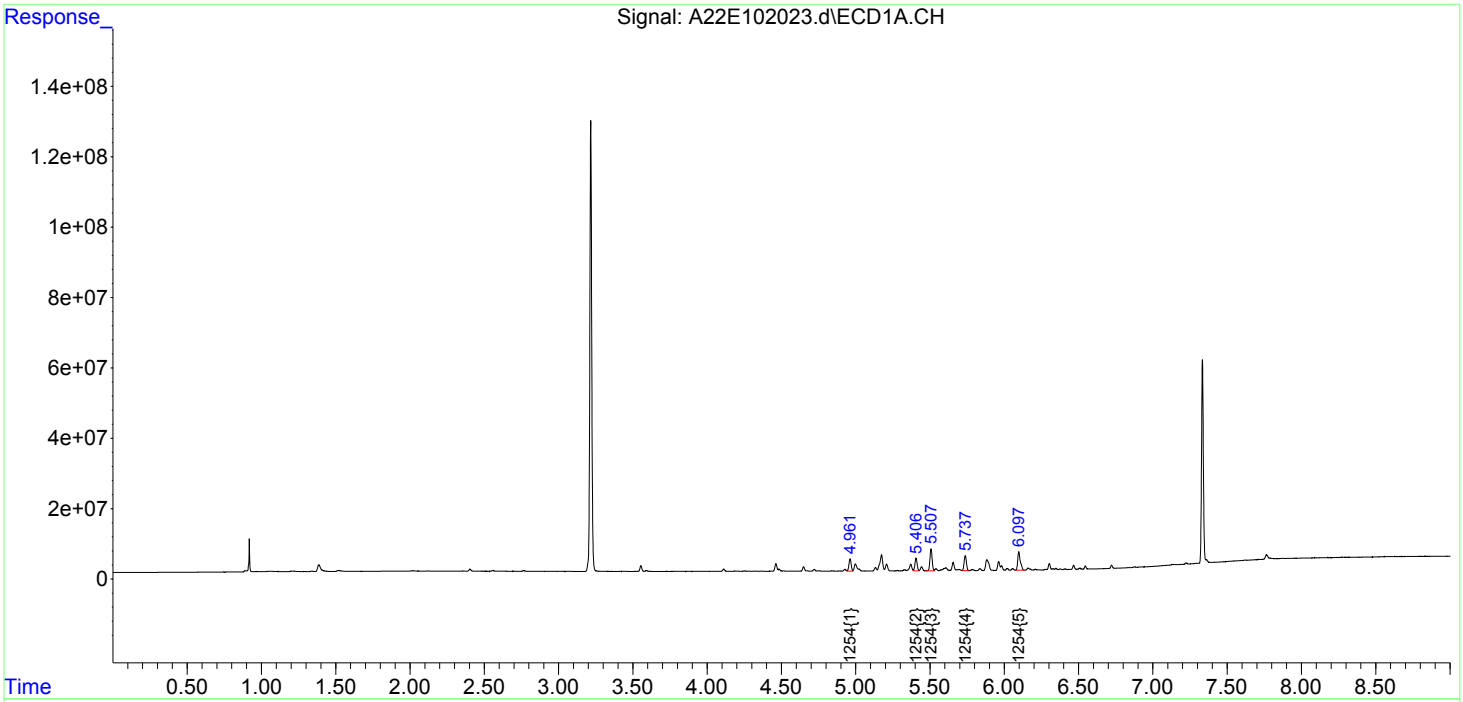
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

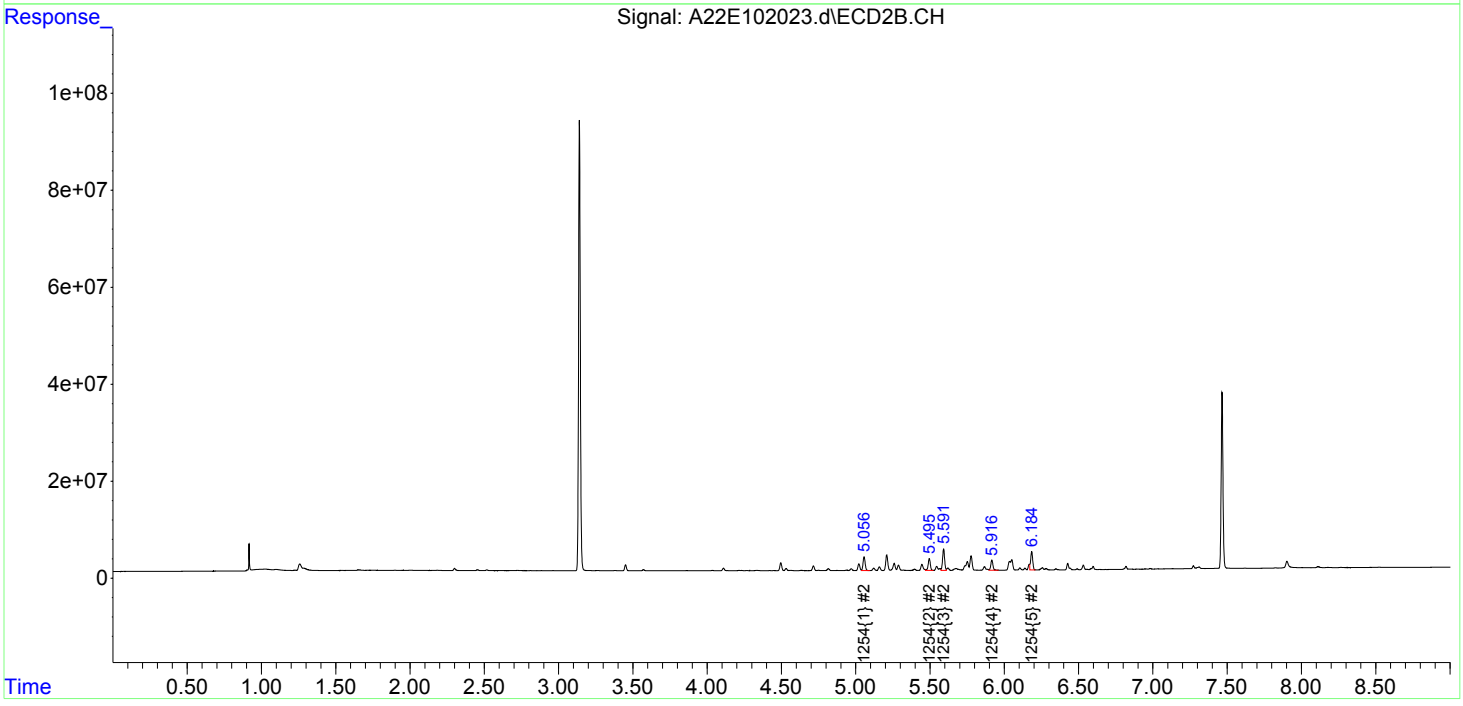
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:24 pm
Operator : JMB
Sample : 1254 50 Inst : ECD1
Misc : mix[l6]
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3128

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:12 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:11 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3129

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:38 pm
Operator : JMB
Sample : 1254 100 Inst : ECD1
Misc : mix[l6]
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:14 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:13 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D.	N.D.
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D.	N.D.
6) L1	1016{4}	0.000	0.000	0	0	N.D.	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	4.963	5.058	70002591	53878561	88.491	85.833
14) L6	1254{2}	5.407	5.497	73348329	47893920	90.196	86.328
15) L6	1254{3}	5.509	5.592	125.3E6	83760630	90.048	89.224
16) L6	1254{4}	5.739	5.917	91897903	39880018	90.886	84.236
17) L6	1254{5}	6.100	6.185	127.8E6	85798217	86.974	91.067
Sum	1254			488.3E6	311.2E6	446.595	436.687
Average	1254					89.319	87.337
18) L5	1248{1}	0.000	0.000	0	0	N.D.	N.D.
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D.	N.D.
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D.	N.D.
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D.	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:38 pm
Operator : JMB
Sample : 1254 100 Inst : ECD1
Misc : mix[l6]
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3130

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:14 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:13 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32) L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232			0	0	N.D.	N.D.
Average 1232					0.000	0.000
33) L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34) L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35) L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36) L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D.
37) L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268			0	0	N.D.	N.D.
Average 1268					0.000	0.000
38) L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39) L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40) L2 1221{3}	0.000	0.000	0	0	N.D.	N.D.
Sum 1221			0	0	N.D.	N.D.
Average 1221					0.000	0.000
41) L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42) L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43) L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44) L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45) L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262			0	0	N.D.	N.D.
Average 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

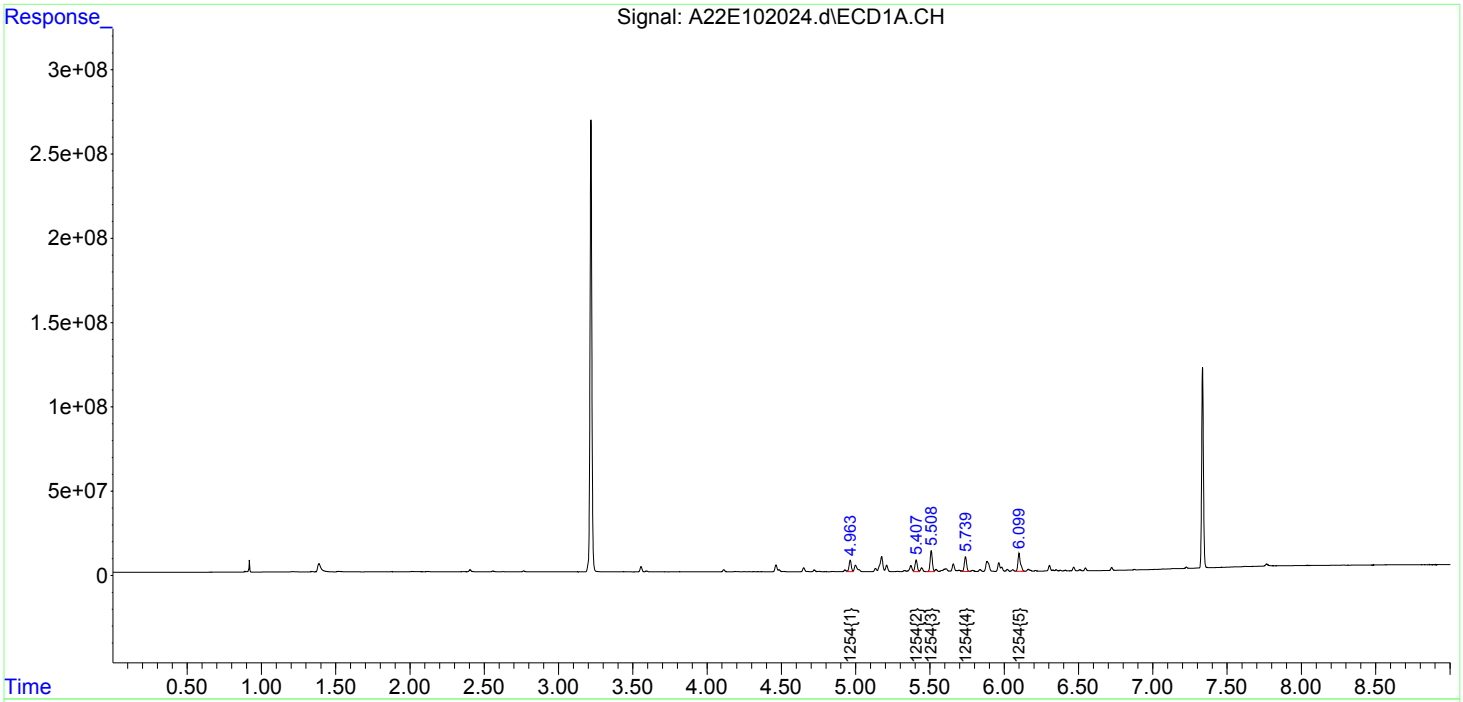
Quantitation Report (Not Reviewed)

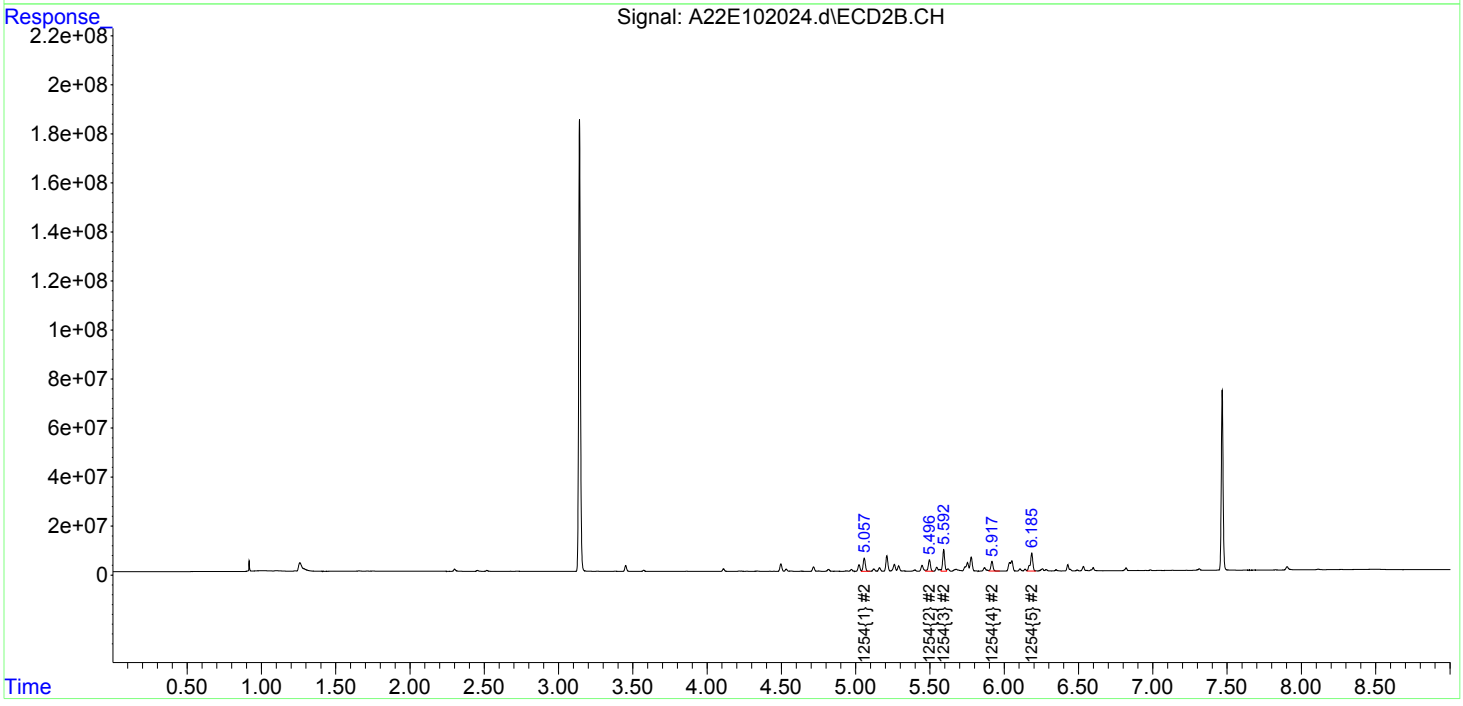
3131

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:38 pm
Operator : JMB
Sample : 1254 100 Inst : ECD1
Misc : mix[l6]
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:14 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:13 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3132

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102025.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:51 pm
Operator : JMB
Sample : 1254 200 Inst : ECD1
Misc : mix[l6]
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:15 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:14 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D.	N.D.
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D.
6) L1	1016{4}	0.000	0.000	0	0	N.D.	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	4.963	5.058	150.1E6	113.4E6	195.322	187.273
14) L6	1254{2}	5.408	5.497	159.4E6	100.8E6	200.986	188.198
15) L6	1254{3}	5.509	5.593	274.3E6	178.3E6	202.197	195.203
16) L6	1254{4}	5.739	5.918	200.8E6	82563027	203.188	181.547
17) L6	1254{5}	6.100	6.186	266.1E6	182.6E6	187.170	198.192
Sum	1254			1050.6E6	657.7E6	988.864	950.412
Average	1254					197.773	190.082
18) L5	1248{1}	0.000	0.000	0	0	N.D.	N.D.
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D.	N.D.
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D.
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D.	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102025.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:51 pm
Operator : JMB
Sample : 1254 200 Inst : ECD1
Misc : mix[l6]
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3133

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:15 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:14 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

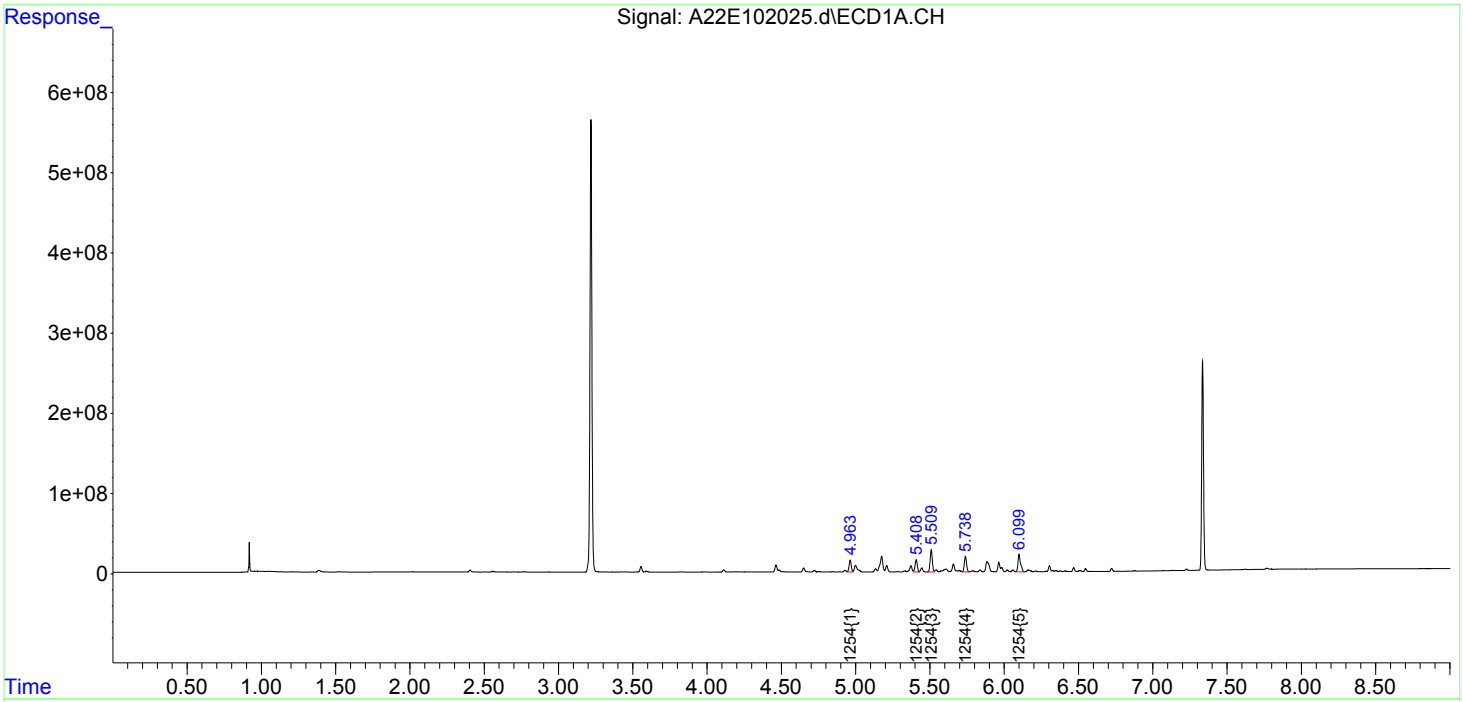
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

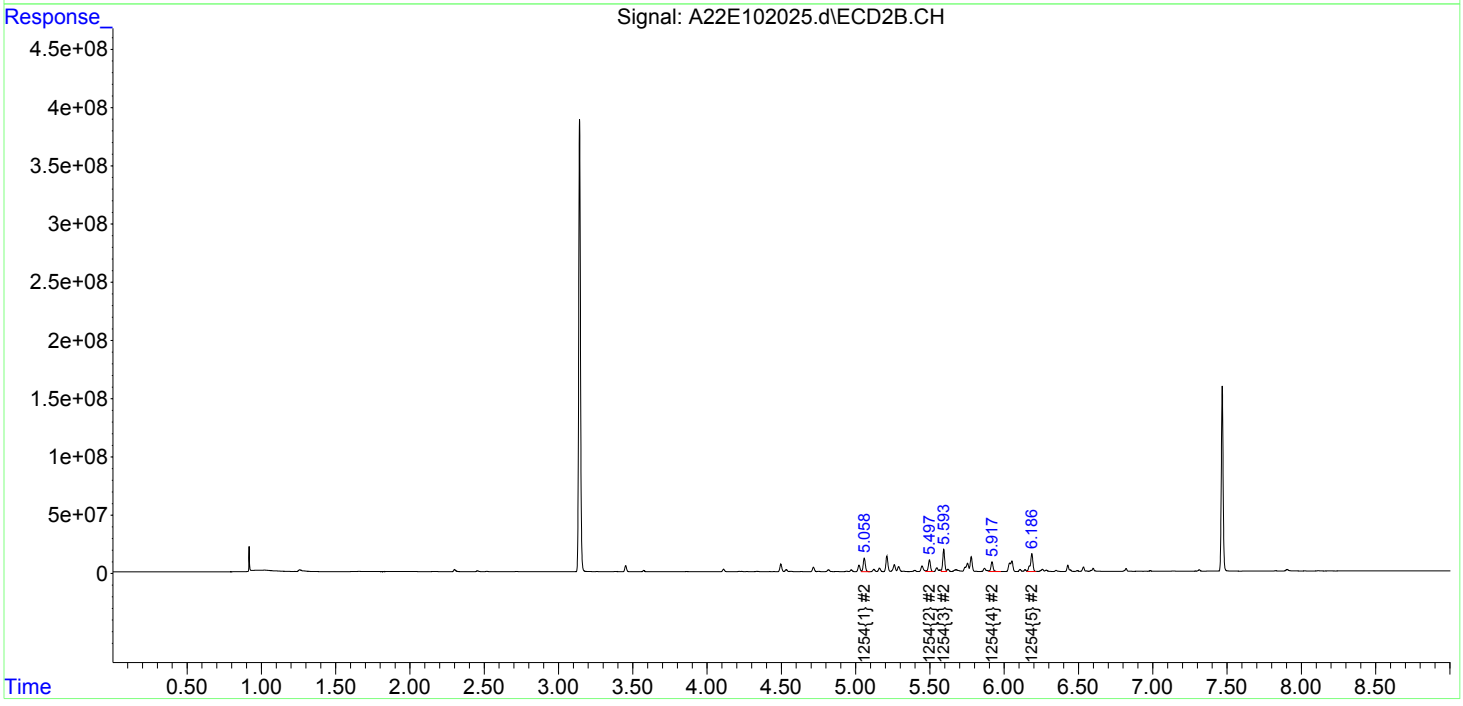
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102025.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 16:51 pm
Operator : JMB
Sample : 1254 200 Inst : ECD1
Misc : mix[l6]
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3134

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:15 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:14 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3135

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102026.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:04 pm
Operator : JMB
Sample : 1254 500 Inst : ECD1
Misc : mix[l6]
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:17 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:16 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	4.962	5.057	316.1E6	234.4E6	413.405	392.094
14) L6	1254{2}	5.406	5.496	339.9E6	209.9E6	428.111	396.441
15) L6	1254{3}	5.507	5.591	585.8E6	372.1E6	430.923	409.360
16) L6	1254{4}	5.737	5.916	428.2E6	169.1E6	431.983	378.897
17) L6	1254{5}	6.098	6.184	604.4E6	379.4E6	430.643	412.601
Sum	1254			2274.5E6	1364.9E6	2135.065	1989.391
Average	1254					427.013	397.878
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102026.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:04 pm
Operator : JMB
Sample : 1254 500 Inst : ECD1
Misc : mix[l6]
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3136

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:17 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:16 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

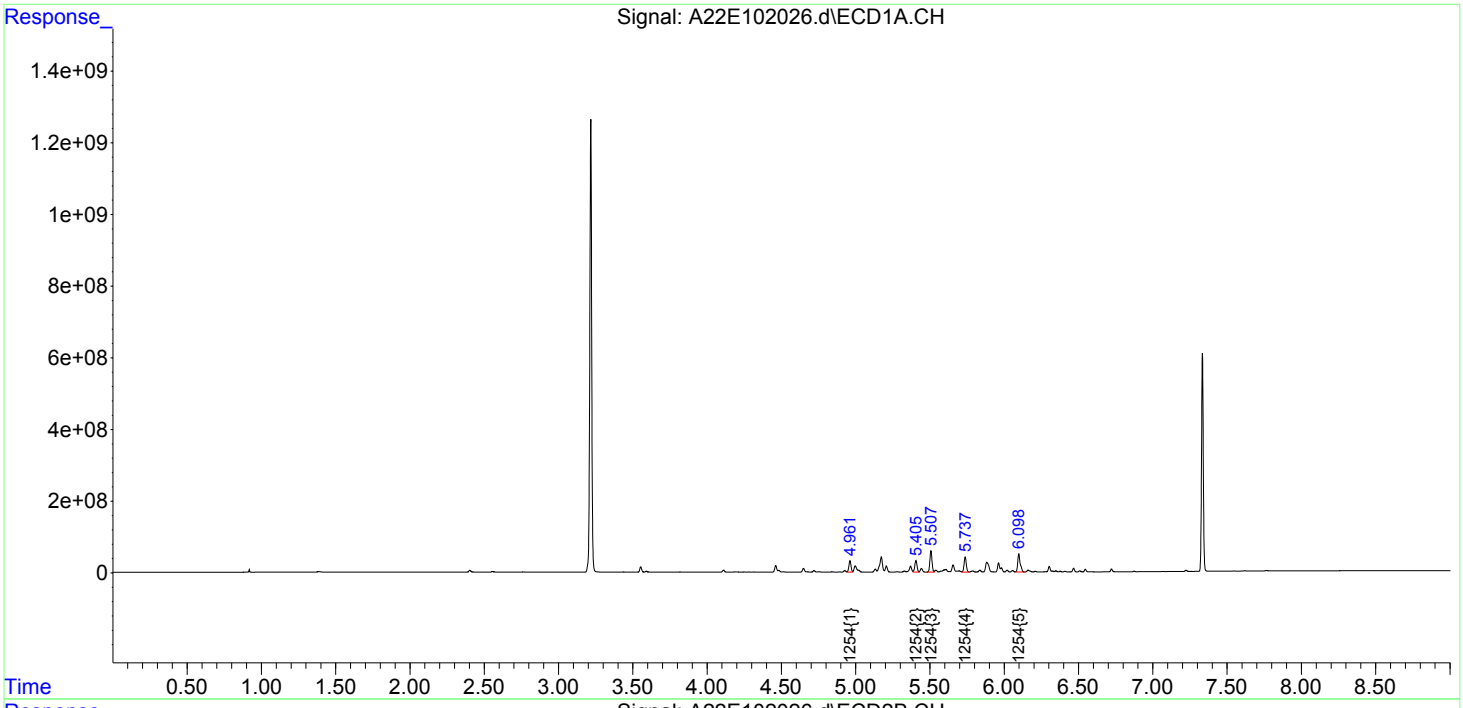
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

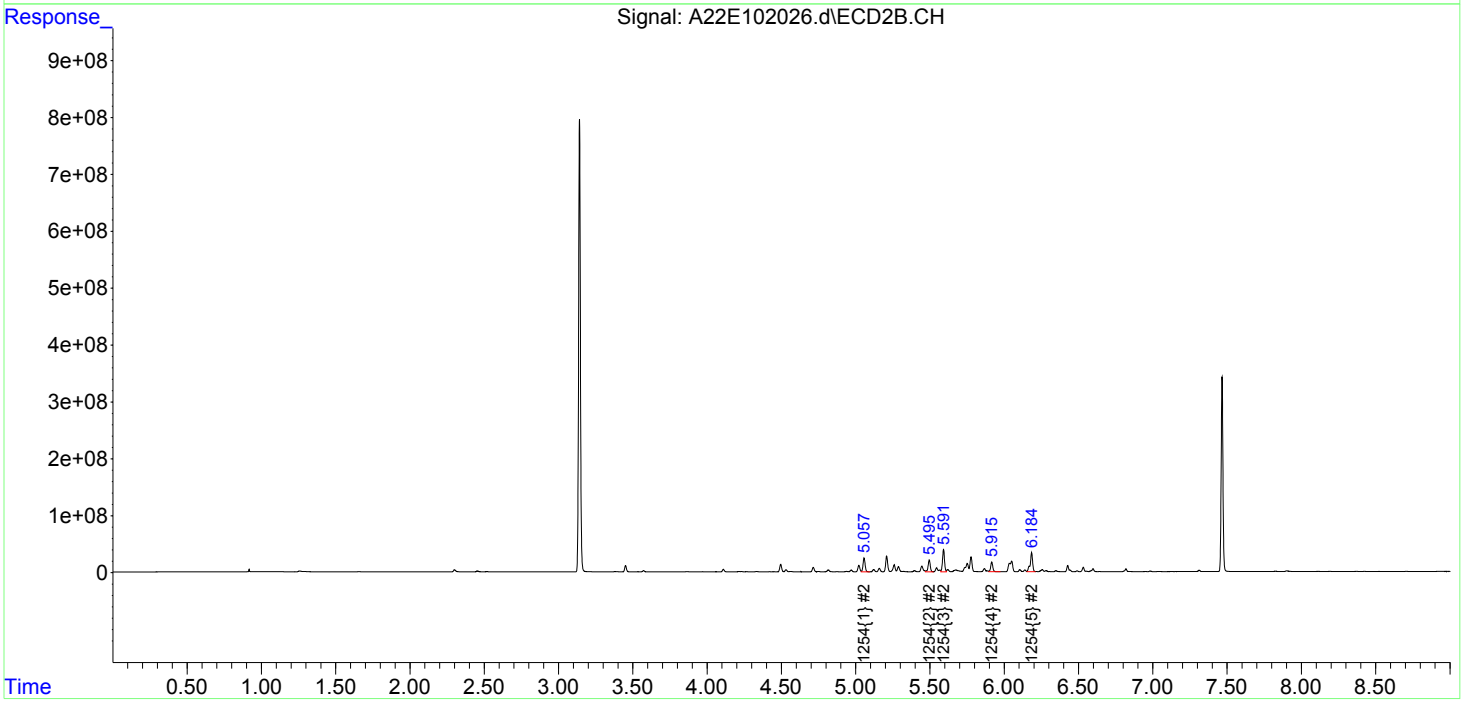
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102026.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:04 pm
Operator : JMB
Sample : 1254 500 Inst : ECD1
Misc : mix[l6]
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3137

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:40:17 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:16 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102027.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:17 pm
Operator : JMB
Sample : ICV STD 1254 Inst : ECD1
Misc : mix[l6]
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3138

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:42:16 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D.	N.D.
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D.
6) L1	1016{4}	0.000	0.000	0	0	N.D.	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	4.964	5.059	79253486	60462551	106.718	104.920
14) L6	1254{2}	5.408	5.497	84078911	53517548	108.484	104.685
15) L6	1254{3}	5.509	5.593	147.4E6	96304064	110.982	109.234
16) L6	1254{4}	5.740	5.918	105.8E6	43034267	109.226	100.462
17) L6	1254{5}	6.100	6.186	142.3E6	77426841	103.782	86.738
Sum	1254			558.8E6	330.7E6	539.193	506.039
Average	1254					107.839	101.208
18) L5	1248{1}	0.000	0.000	0	0	N.D.	N.D.
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D.	N.D.
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D.
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D.	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102027.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:17 pm
Operator : JMB
Sample : ICV STD 1254 Inst : ECD1
Misc : mix[l6]
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3139

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:42:16 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D.	N.D.
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39)	L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

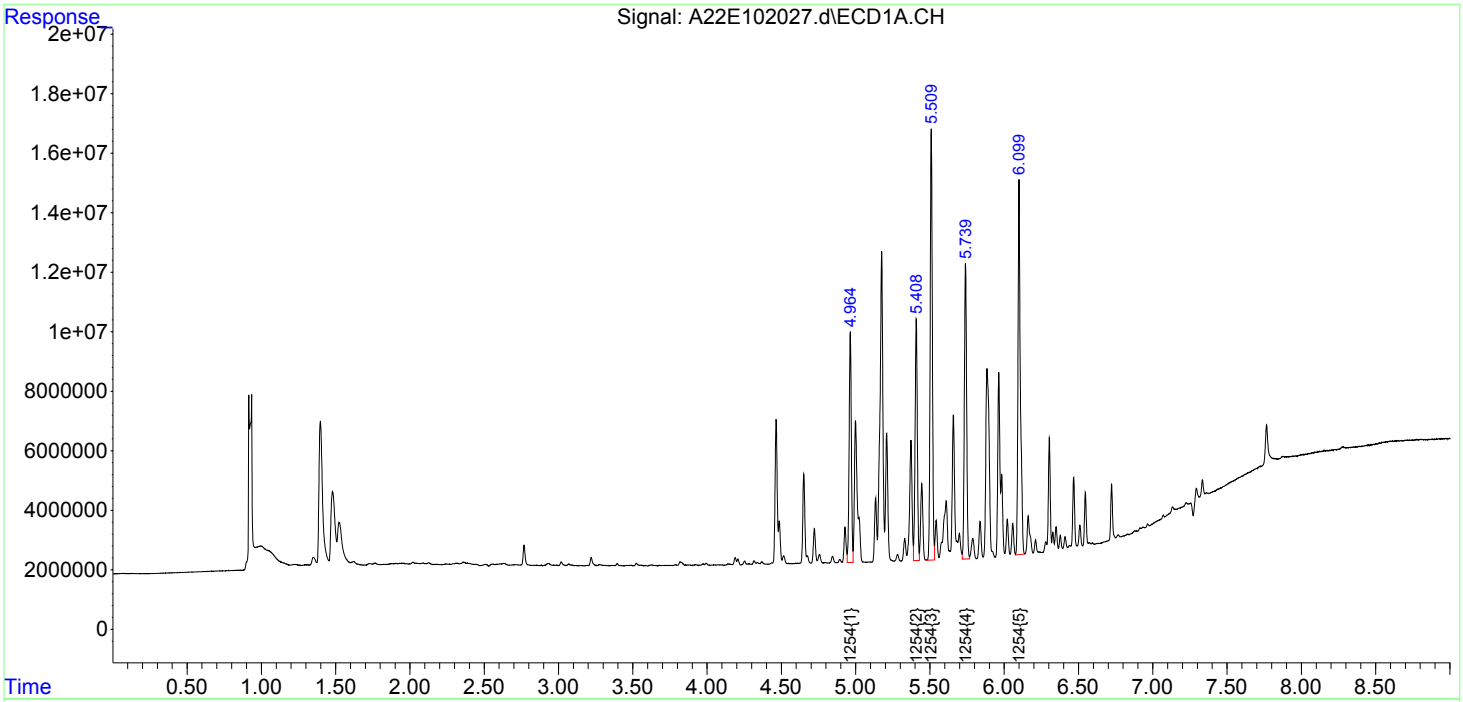
Quantitation Report (QT Reviewed)

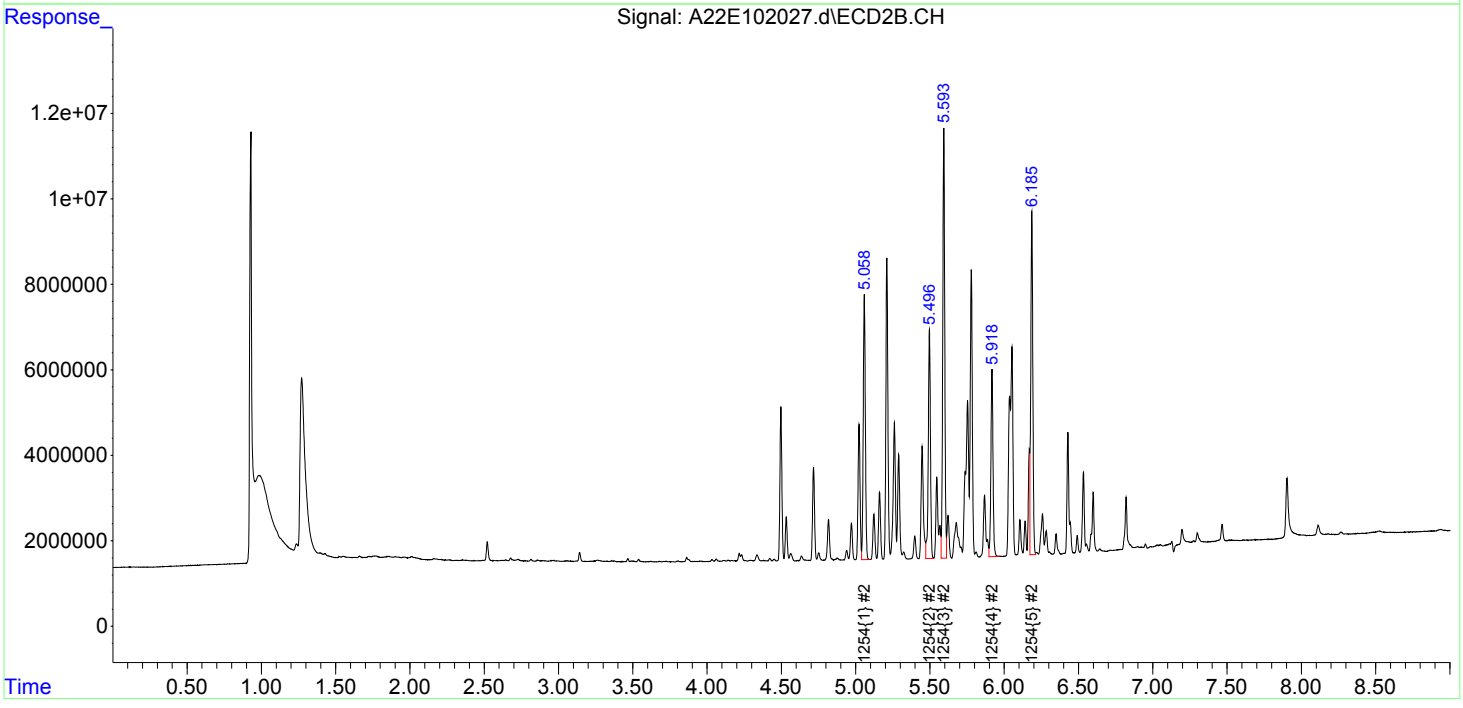
3140

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102027.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:17 pm
Operator : JMB
Sample : ICV STD 1254 Inst : ECD1
Misc : mix[l6]
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:42:16 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:40:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3141

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102030.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:57 pm
Operator : JMB
Sample : 1248 10 Inst : ECD1
Misc : mix[l5]
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:31 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:30 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D.	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D.	N.D.
10) L7	1260{3}	0.000	0.000	0	0	N.D.	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D.
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D.
17) L6	1254{5}	0.000	0.000	0	0	N.D.	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	3.970	4.033	1150300	1053627	NoCal	NoCal
19) L5	1248{2}	4.464	4.497	6743065	4955665	NoCal	NoCal
20) L5	1248{3}	4.651	4.716	8586349	6192217	NoCal	NoCal
21) L5	1248{4}	4.999	5.022	9537874	6590404	NoCal	NoCal
22) L5	1248{5}	5.025	5.061	7992848	7602924	NoCal	NoCal
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102030.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:57 pm
Operator : JMB
Sample : 1248 10 Inst : ECD1
Misc : mix[l5]
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3142

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:31 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:30 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D.	N.D.
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D.
35)	L9 1268{3}	0.000	0.000	0	0	N.D.	N.D.
36)	L9 1268{4}	0.000	0.000	0	0	N.D.	N.D.
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39)	L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D.	N.D.
43)	L8 1262{3}	0.000	0.000	0	0	N.D.	N.D.
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D.
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

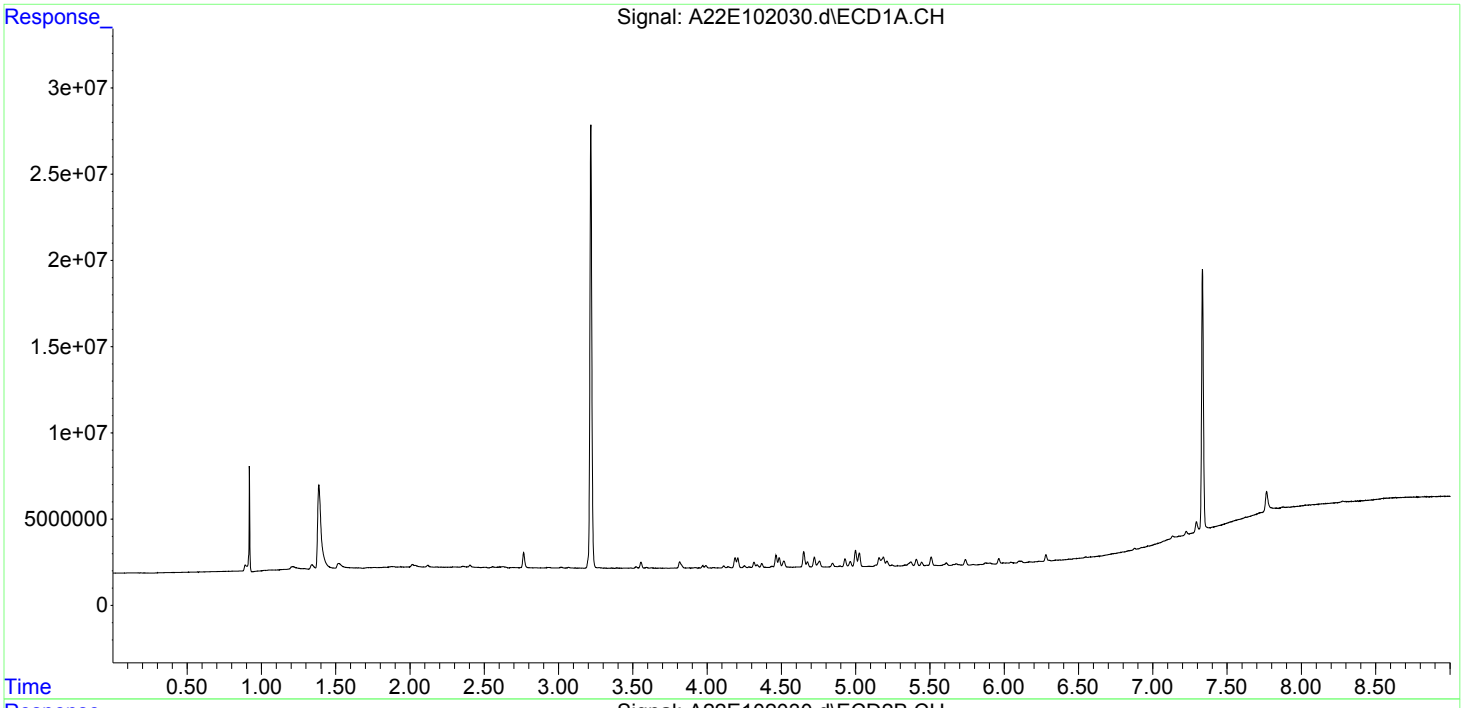
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

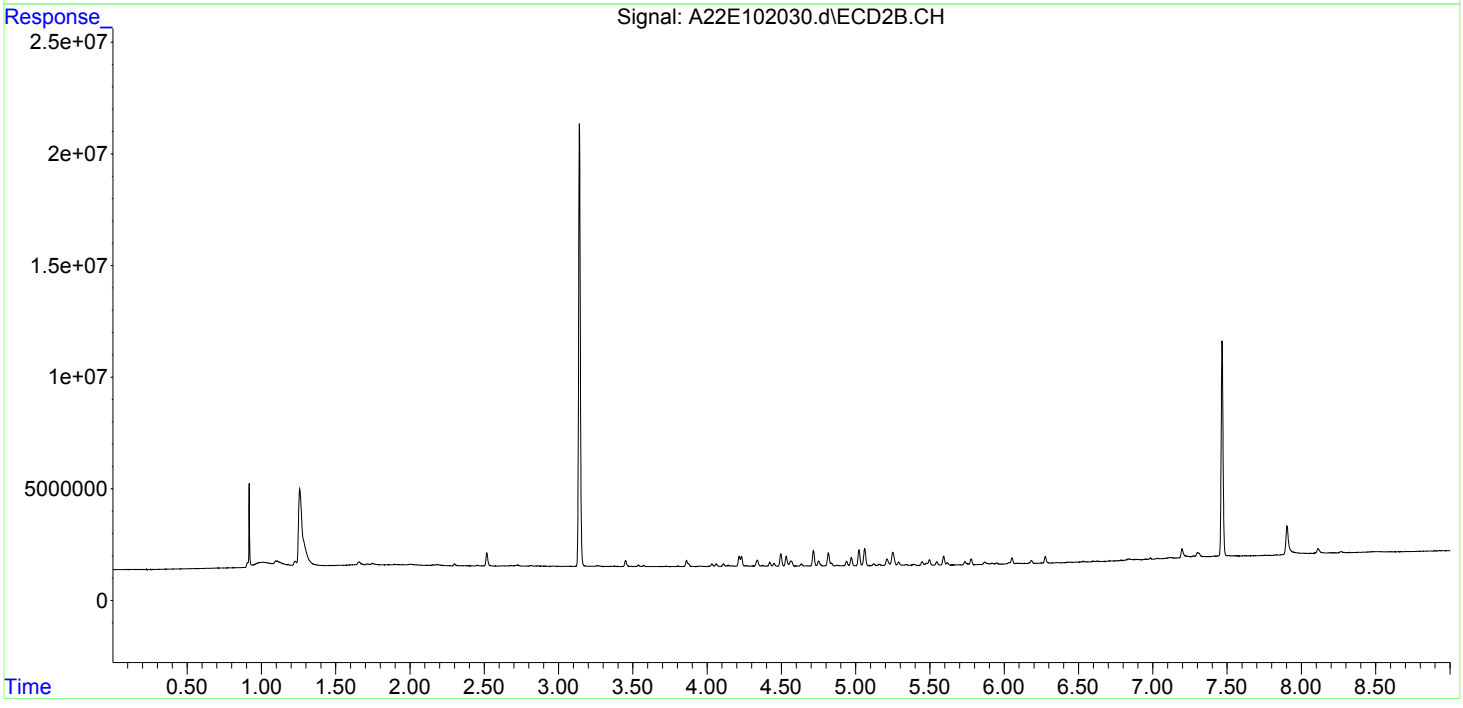
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102030.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 17:57 pm
Operator : JMB
Sample : 1248 10 Inst : ECD1
Misc : mix[l5]
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3143

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:31 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:30 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3144

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102031.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:10 pm
Operator : JMB
Sample : 1248 20 Inst : ECD1
Misc : mix[l5]
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:32 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:31 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D.	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D.
11) L7	1260{4}	0.000	0.000	0	0	N.D.	N.D.
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	3.971	4.034	2523653	2179184	21.939	20.683
19) L5	1248{2}	4.464	4.497	13266447	9533444	19.674	19.237
20) L5	1248{3}	4.650	4.716	16966674	12109606	19.760	19.556
21) L5	1248{4}	4.998	5.023	18667711	12696493	19.572	19.265
22) L5	1248{5}	5.023	5.061	18101302	14323865	22.647	18.840
Sum	1248			69525787	50842593	103.592	97.581
Average	1248					20.718	19.516
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102031.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:10 pm
Operator : JMB
Sample : 1248 20 Inst : ECD1
Misc : mix[l5]
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3145

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:32 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:31 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32) L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232			0	0	N.D.	N.D.
Average 1232					0.000	0.000
33) L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D.
34) L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D.
35) L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36) L9 1268{4}	0.000	0.000	0	0	N.D.	N.D. d
37) L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268			0	0	N.D.	N.D.
Average 1268					0.000	0.000
38) L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39) L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40) L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221			0	0	N.D.	N.D.
Average 1221					0.000	0.000
41) L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42) L8 1262{2}	0.000	0.000	0	0	N.D.	N.D. d
43) L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D.
44) L8 1262{4}	0.000	0.000	0	0	N.D.	N.D.
45) L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262			0	0	N.D.	N.D.
Average 1262					0.000	0.000

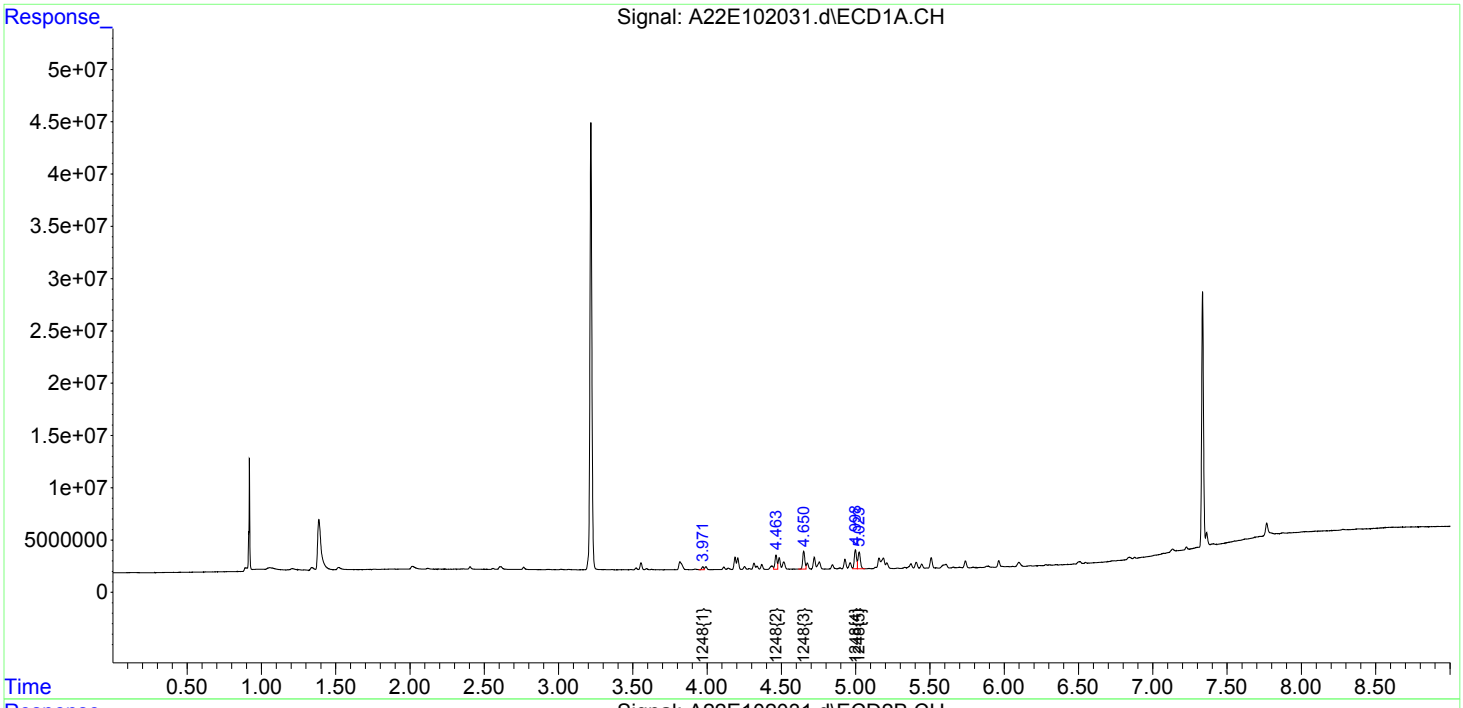
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

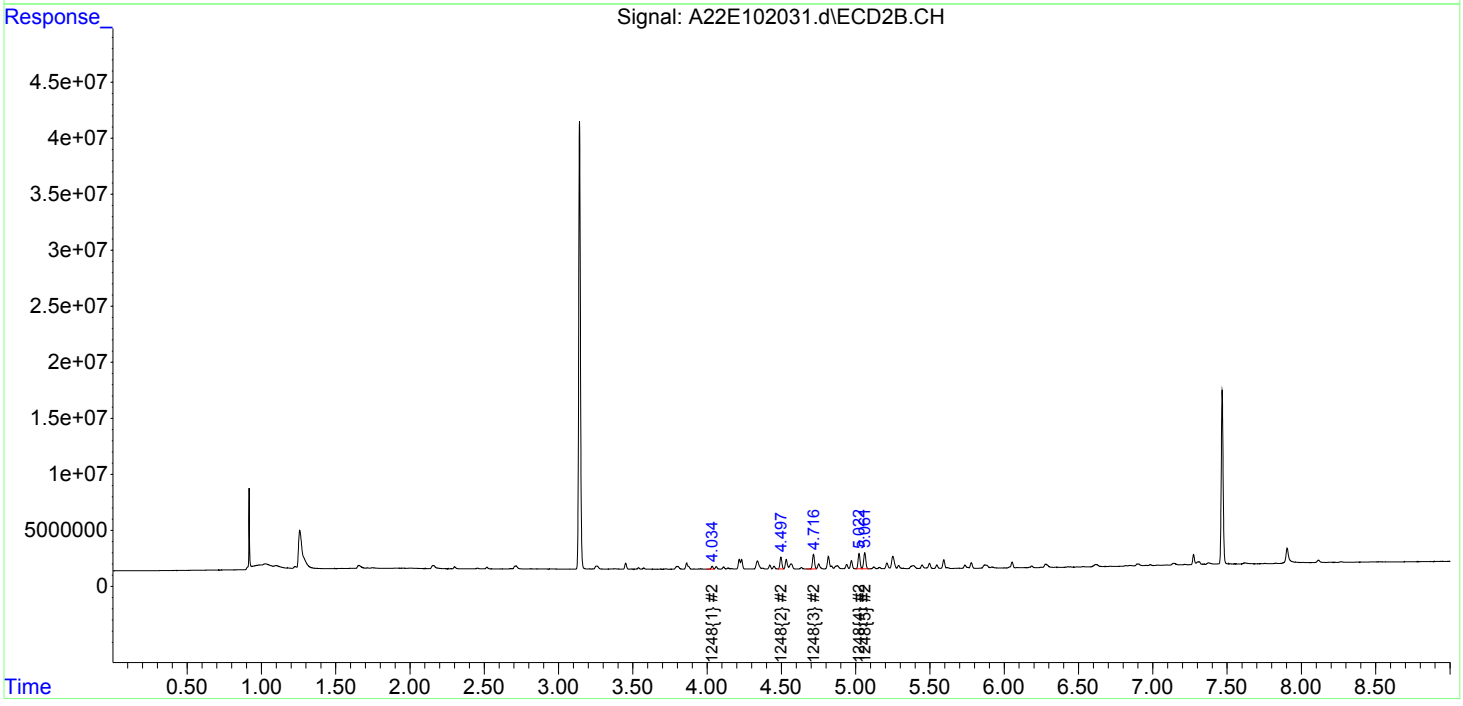
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102031.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:10 pm
Operator : JMB
Sample : 1248 20 Inst : ECD1
Misc : mix[l5]
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3146

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:32 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:31 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102032.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:23 pm
Operator : JMB
Sample : 1248 50 Inst : ECD1
Misc : mix[l5]
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:34 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:32 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D.
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	3.971	4.034	6068091	4886175	50.313	45.597
19) L5	1248{2}	4.464	4.497	30461136	21878790	45.545	45.007
20) L5	1248{3}	4.651	4.717	39817008	27962487	46.652	45.664
21) L5	1248{4}	4.998	5.023	44425903	29205170	47.082	45.144
22) L5	1248{5}	5.023	5.061	36946353	33062902	43.355	44.786
Sum	1248			157.7E6	117.0E6	232.948	226.198
Average	1248					46.590	45.240
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102032.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:23 pm
Operator : JMB
Sample : 1248 50 Inst : ECD1
Misc : mix[l5]
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:34 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:32 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D.
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D.
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39)	L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D.
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

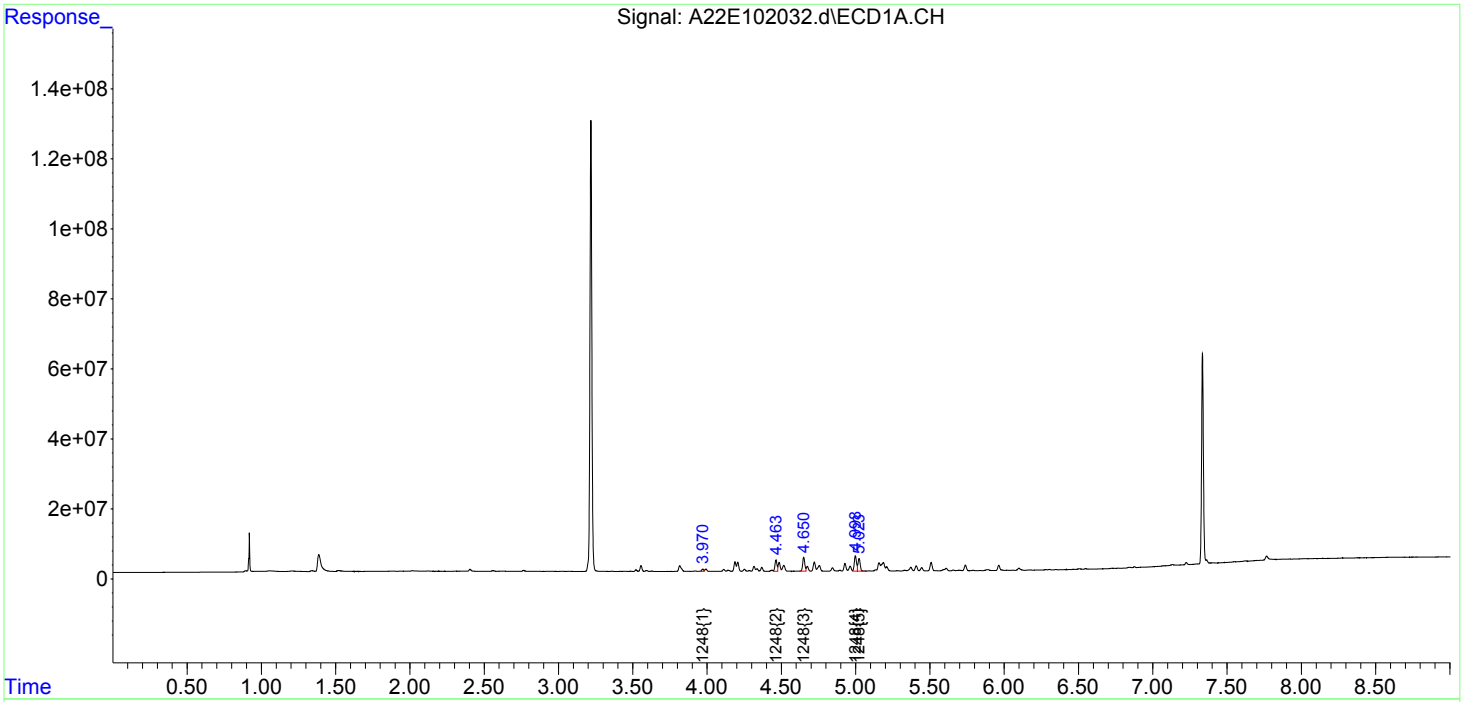
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

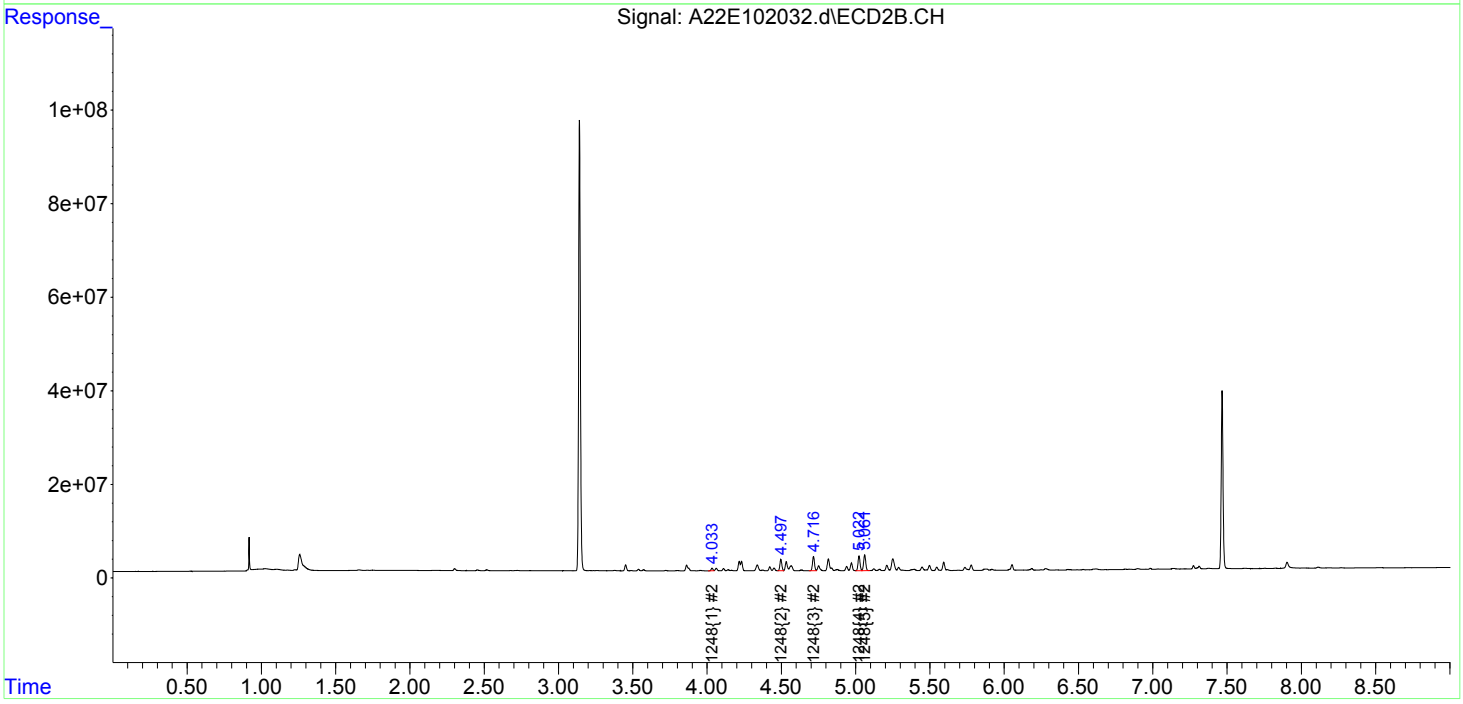
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102032.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:23 pm
Operator : JMB
Sample : 1248 50 Inst : ECD1
Misc : mix[l5]
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3149

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:34 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:32 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3150

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102033.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:37 pm
Operator : JMB
Sample : 1248 100 Inst : ECD1
Misc : mix[l5]
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:35 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:34 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	3.971	4.033	11625699	8586078	96.193	82.546
19) L5	1248{2}	4.464	4.497	57769241	40833128	89.019	86.890
20) L5	1248{3}	4.651	4.716	76280775	52709168	91.416	88.639
21) L5	1248{4}	4.999	5.023	85292510	55372645	92.185	88.456
22) L5	1248{5}	5.024	5.061	71817158	62779099	88.181	88.101
Sum	1248			302.8E6	220.3E6	456.995	434.633
Average	1248					91.399	86.927
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102033.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:37 pm
Operator : JMB
Sample : 1248 100 Inst : ECD1
Misc : mix[l5]
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3151

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:35 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:34 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32) L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232			0	0	N.D.	N.D.
Average 1232					0.000	0.000
33) L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34) L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35) L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36) L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37) L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268			0	0	N.D.	N.D.
Average 1268					0.000	0.000
38) L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39) L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40) L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221			0	0	N.D.	N.D.
Average 1221					0.000	0.000
41) L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42) L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43) L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44) L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45) L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262			0	0	N.D.	N.D.
Average 1262					0.000	0.000

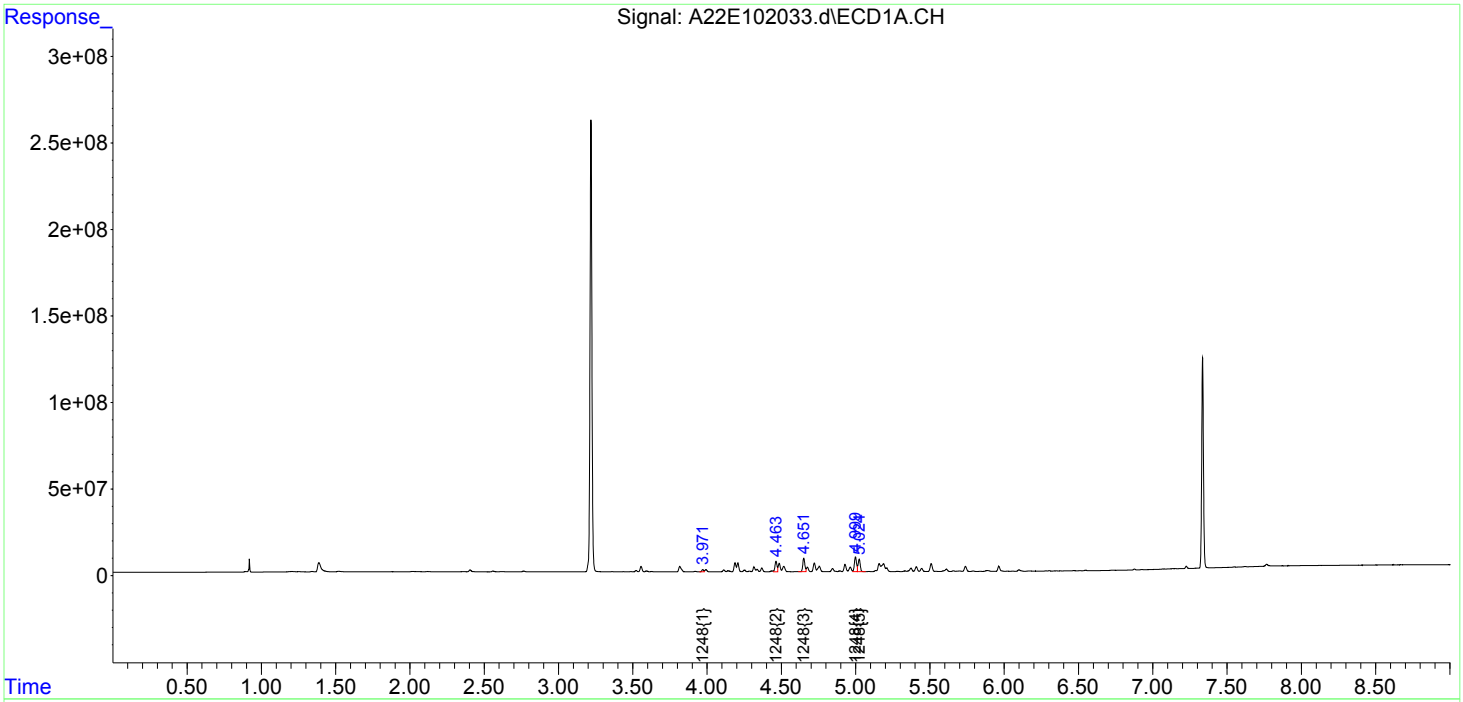
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

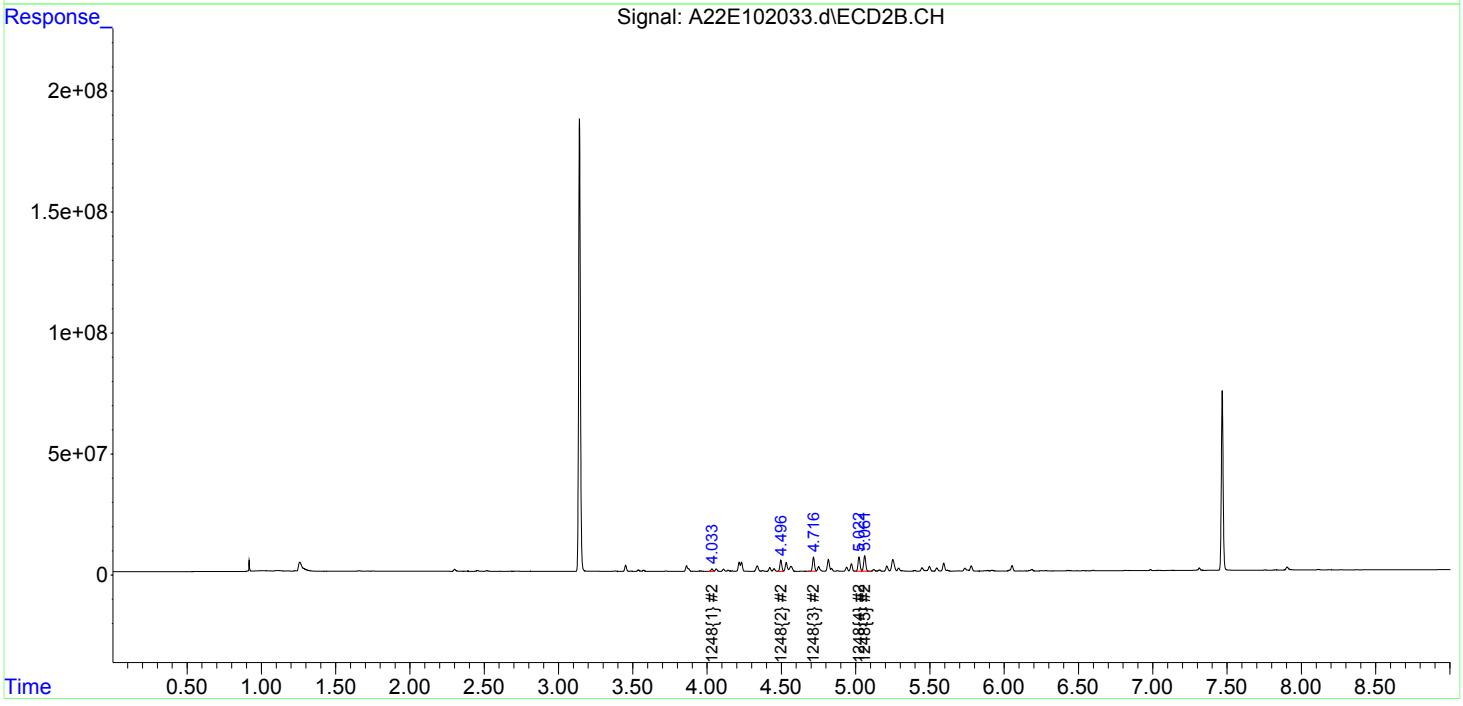
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102033.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:37 pm
Operator : JMB
Sample : 1248 100 Inst : ECD1
Misc : mix[l5]
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3152

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:35 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:34 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3153

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102034.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:50 pm
Operator : JMB
Sample : 1248 200 Inst : ECD1
Misc : mix[l5]
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:37 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	3.970	4.033	22154887	16082255	185.075	161.669
19) L5	1248{2}	4.463	4.496	110.6E6	76574189	175.241	168.467
20) L5	1248{3}	4.650	4.716	147.7E6	100.4E6	180.944	173.851
21) L5	1248{4}	4.998	5.022	166.4E6	104.8E6	183.477	172.435
22) L5	1248{5}	5.023	5.061	137.8E6	118.9E6	174.315	172.014
Sum	1248			584.7E6	416.9E6	899.053	848.435
Average	1248					179.811	169.687
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102034.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:50 pm
Operator : JMB
Sample : 1248 200 Inst : ECD1
Misc : mix[l5]
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3154

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:37 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32) L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232			0	0	N.D.	N.D.
Average 1232					0.000	0.000
33) L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34) L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35) L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36) L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37) L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268			0	0	N.D.	N.D.
Average 1268					0.000	0.000
38) L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39) L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40) L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221			0	0	N.D.	N.D.
Average 1221					0.000	0.000
41) L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42) L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43) L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44) L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45) L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262			0	0	N.D.	N.D.
Average 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

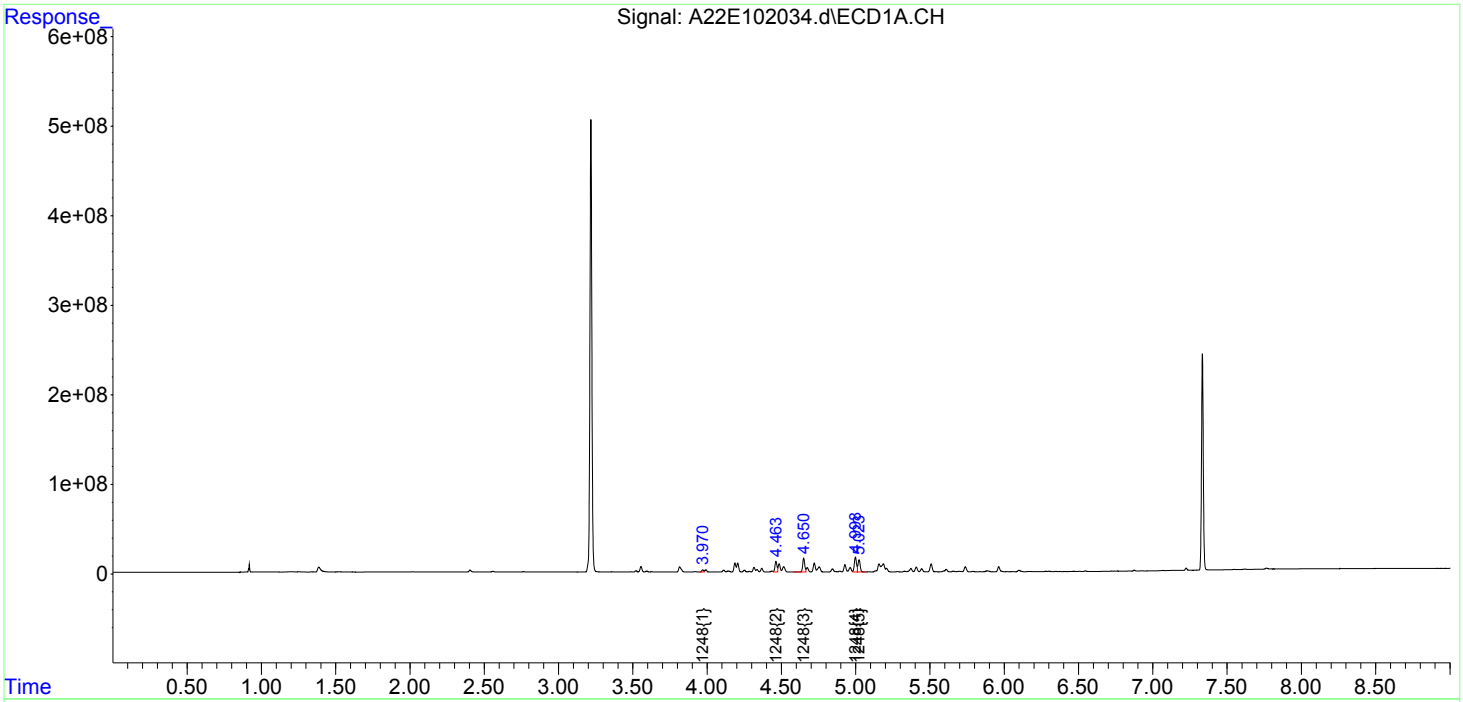
Quantitation Report (Not Reviewed)

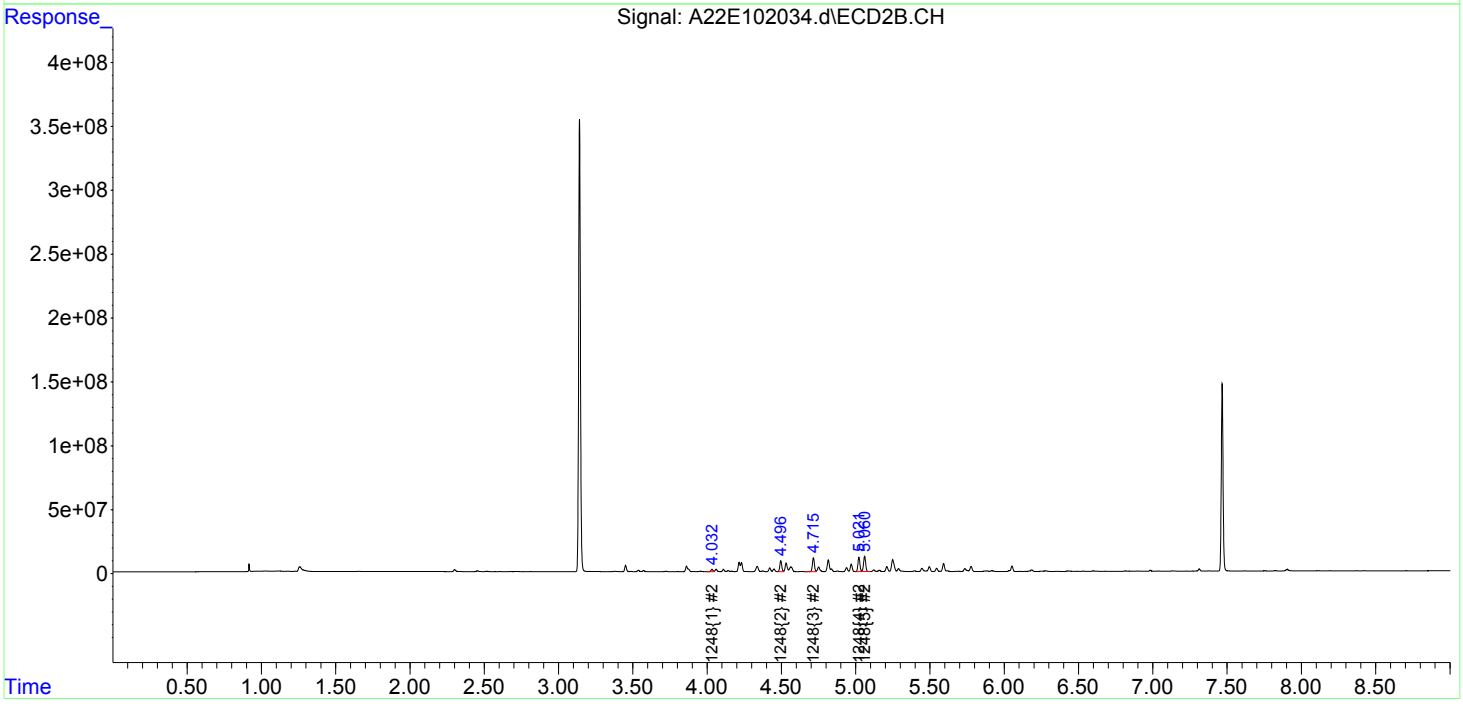
3155

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102034.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 18:50 pm
Operator : JMB
Sample : 1248 200 Inst : ECD1
Misc : mix[l5]
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:37 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3156

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102035.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:03 pm
Operator : JMB
Sample : 1248 500 Inst : ECD1
Misc : mix[l5]
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:39 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:37 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	3.971	4.033	49932373	35564724	423.439	371.769
19) L5	1248{2}	4.464	4.496	251.4E6	170.4E6	408.376	386.985
20) L5	1248{3}	4.651	4.716	340.1E6	225.1E6	424.561	400.009
21) L5	1248{4}	4.998	5.022	386.1E6	235.8E6	432.759	398.922
22) L5	1248{5}	5.023	5.061	325.6E6	268.6E6	422.838	399.750
Sum	1248			1353.1E6	935.5E6	2111.973	1957.435
Average	1248					422.395	391.487
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102035.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:03 pm
Operator : JMB
Sample : 1248 500 Inst : ECD1
Misc : mix[l5]
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:39 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:37 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

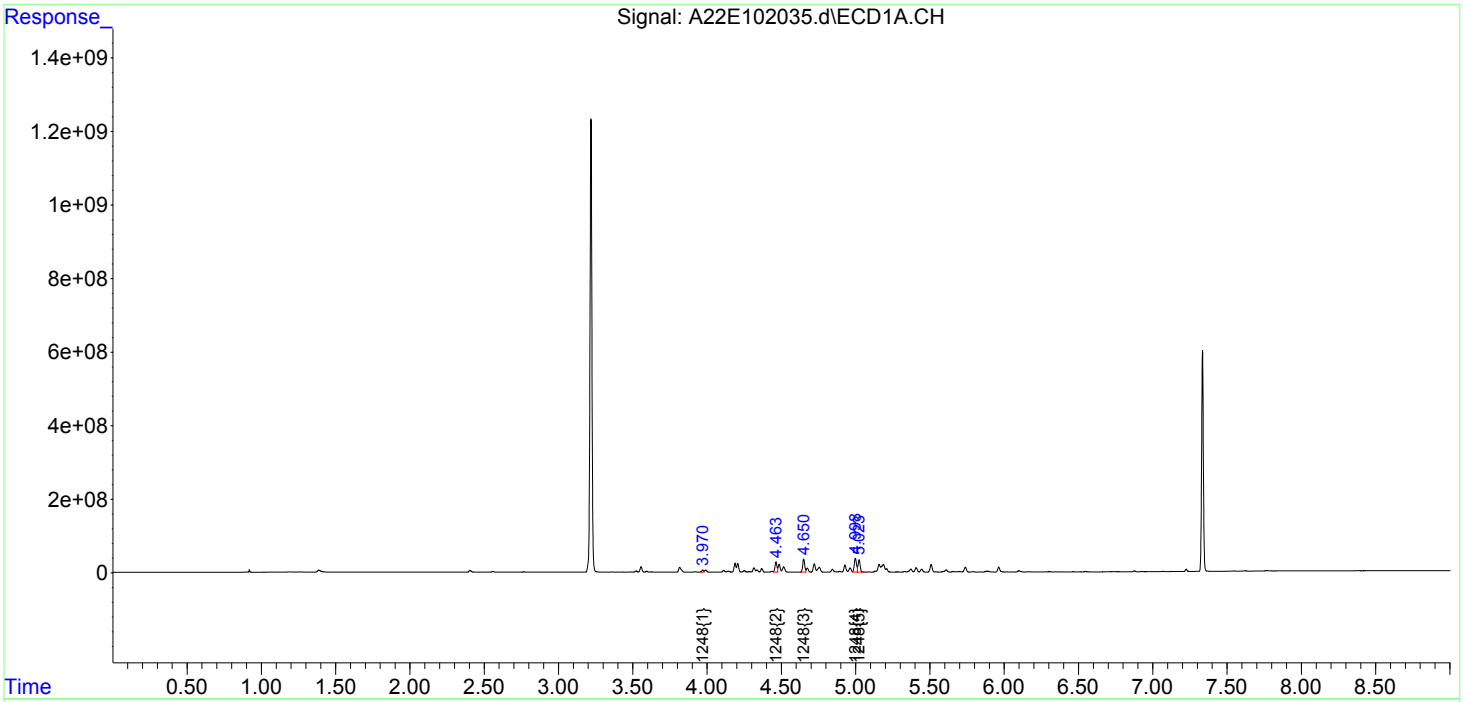
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

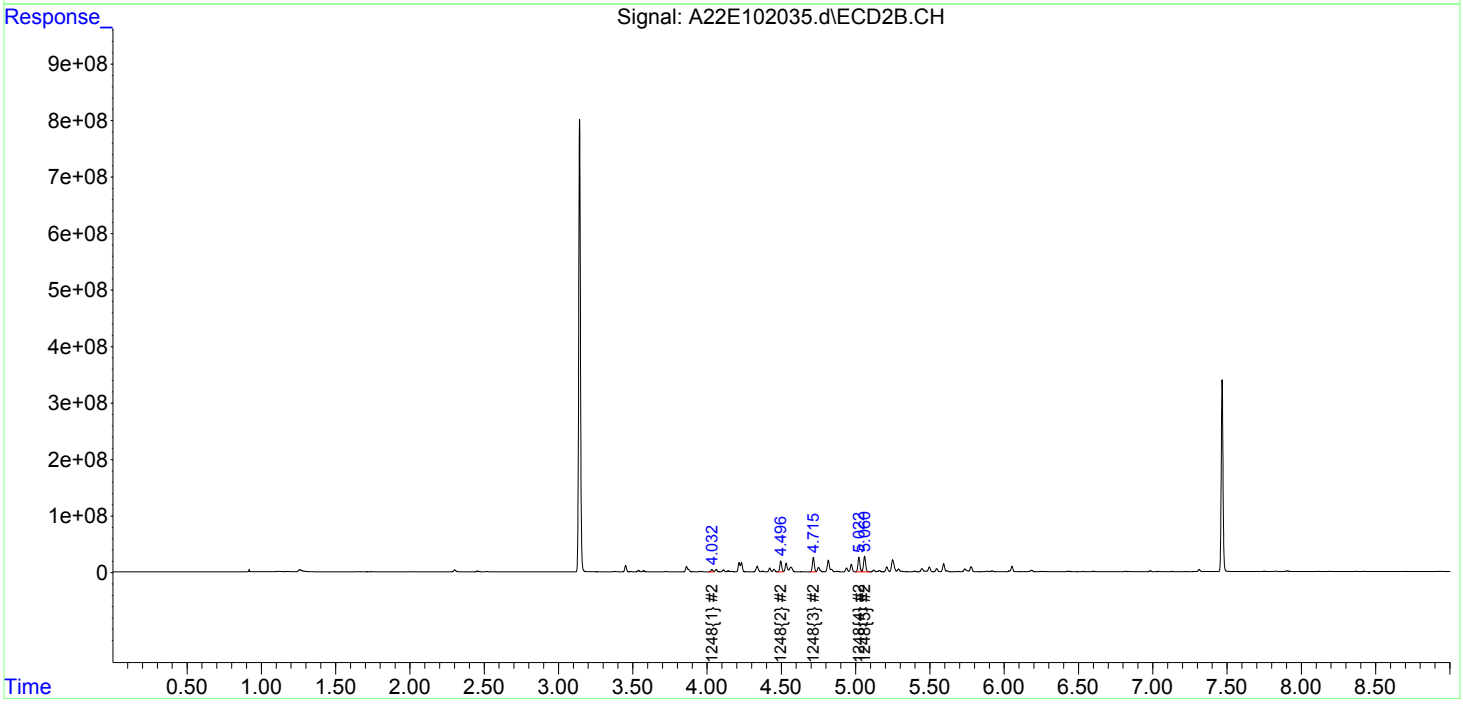
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102035.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:03 pm
Operator : JMB
Sample : 1248 500 Inst : ECD1
Misc : mix[l5]
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3158

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:44:39 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:37 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3159

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102037.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:30 pm
Operator : JMB
Sample : ICV STD 1248 Inst : ECD1
Misc : mix[l5]
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:45:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:39 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D.	N.D.
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	3.971	4.033	10757391	7721114	93.614	84.315
19) L5	1248{2}	4.464	4.496	59047265	40462728	98.954	95.517
20) L5	1248{3}	4.651	4.716	78841622	52818544	100.972	97.111
21) L5	1248{4}	4.998	5.022	90334705	56850887	103.575	99.520
22) L5	1248{5}	5.024	5.060	76814653	64581354	102.385	99.421
Sum	1248			315.8E6	222.4E6	499.500	475.883
Average	1248					99.900	95.177
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102037.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:30 pm
Operator : JMB
Sample : ICV STD 1248 Inst : ECD1
Misc : mix[l5]
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3160

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:45:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:39 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32) L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232			0	0	N.D.	N.D.
Average 1232					0.000	0.000
33) L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34) L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35) L9 1268{3}	0.000	0.000	0	0	N.D.	N.D.
36) L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37) L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268			0	0	N.D.	N.D.
Average 1268					0.000	0.000
38) L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39) L2 1221{2}	0.000	0.000	0	0	N.D.	N.D. d
40) L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221			0	0	N.D.	N.D.
Average 1221					0.000	0.000
41) L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42) L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43) L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44) L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45) L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262			0	0	N.D.	N.D.
Average 1262					0.000	0.000

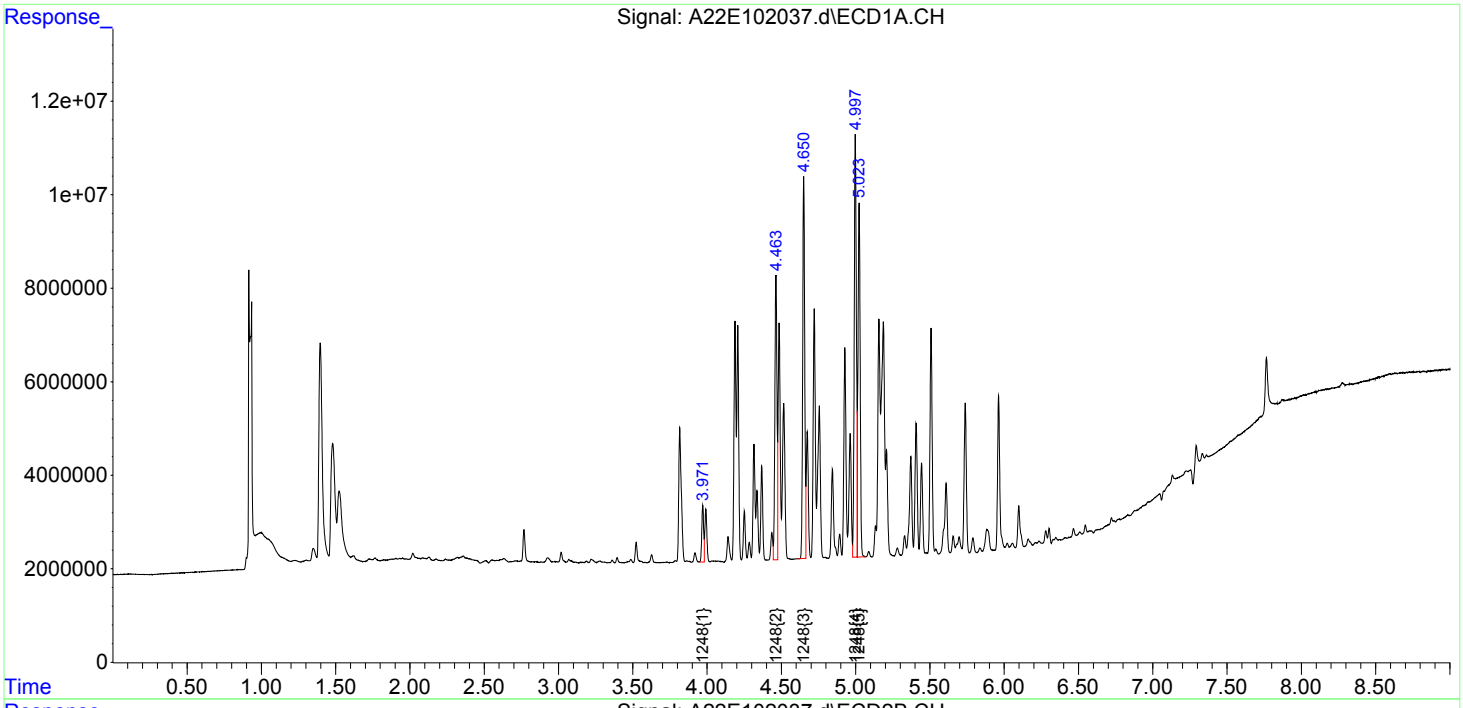
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

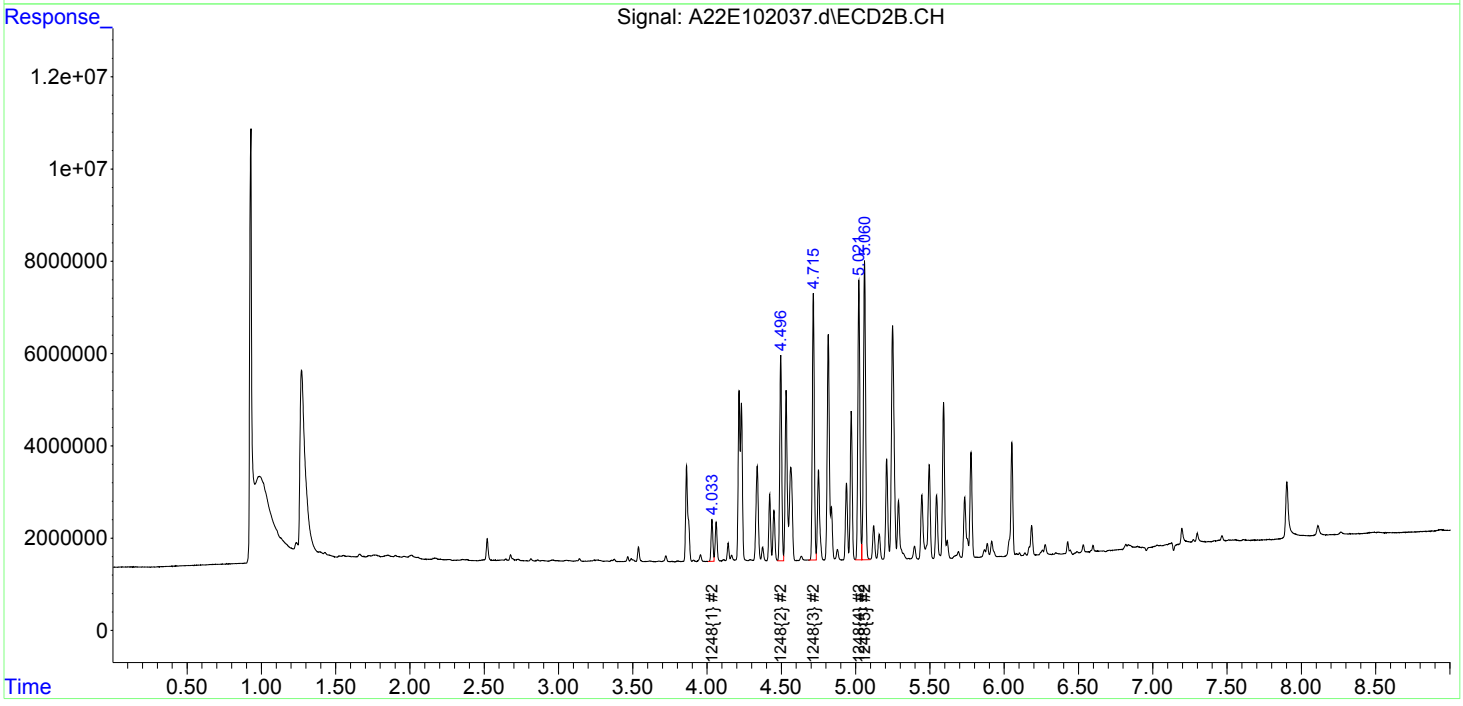
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102037.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:30 pm
Operator : JMB
Sample : ICV STD 1248 Inst : ECD1
Misc : mix[l5]
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3161

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:45:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:44:39 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3162

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102039.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:56 pm
Operator : JMB
Sample : 1242 10 Inst : ECD1
Misc : mix[l4]
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:17 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D.	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D.	N.D.
10) L7	1260{3}	0.000	0.000	0	0	N.D.	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D.	N.D.
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D.
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	3.991	4.060	3182410	2299868	NoCal	NoCal
24) L4	1242{2}	4.206	4.231	8713821	6158975	NoCal	NoCal
25) L4	1242{3}	4.315	4.421	5802399	2537159	NoCal	NoCal
26) L4	1242{4}	4.650	4.496	5875265	2851523	NoCal	NoCal
27) L4	1242{5}	5.023	5.021	5054533	3739863	NoCal	NoCal
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102039.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:56 pm
Operator : JMB
Sample : 1242 10 Inst : ECD1
Misc : mix[l4]
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:17 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D.	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D.	N.D.
36)	L9 1268{4}	0.000	0.000	0	0	N.D.	N.D.
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D.	N.D.
39)	L2 1221{2}	0.000	0.000	0	0	N.D.	N.D.
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D.	N.D.
43)	L8 1262{3}	0.000	0.000	0	0	N.D.	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D.	N.D.
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

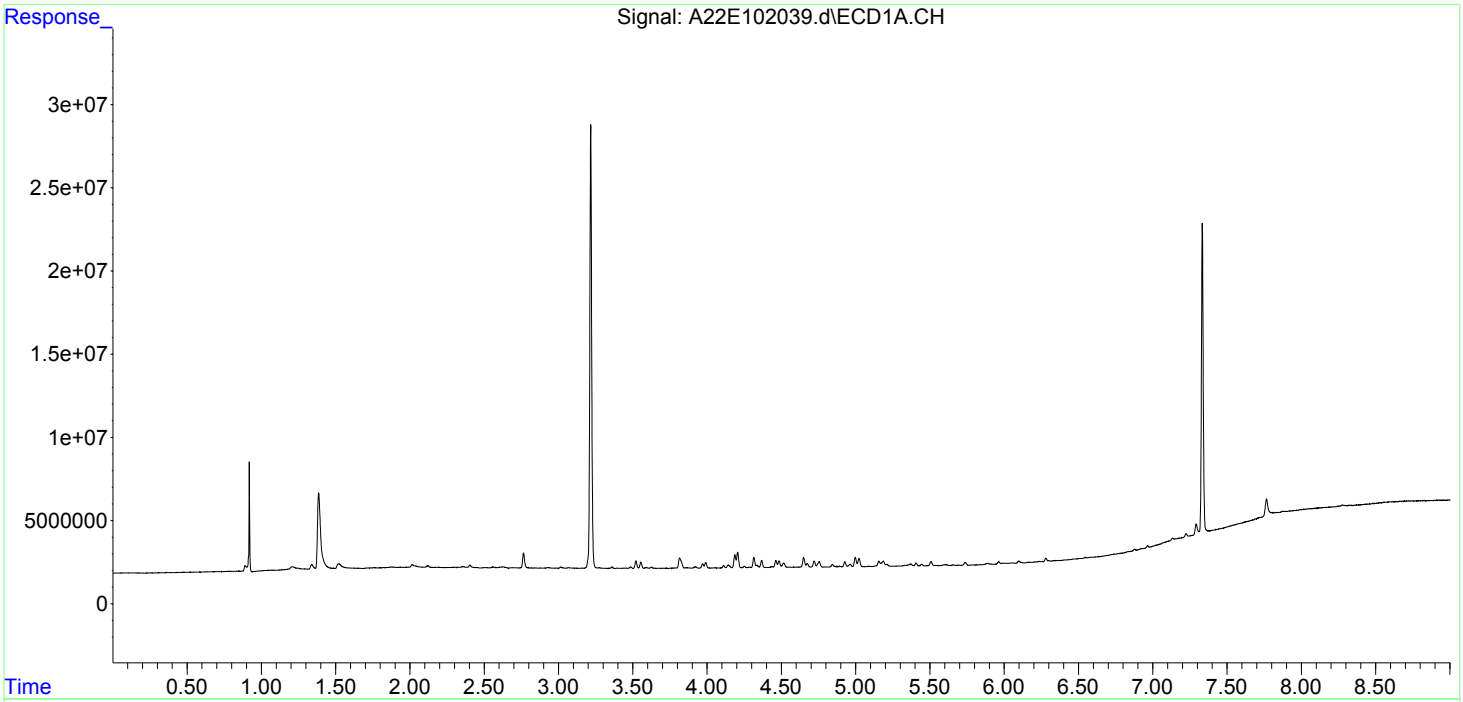
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

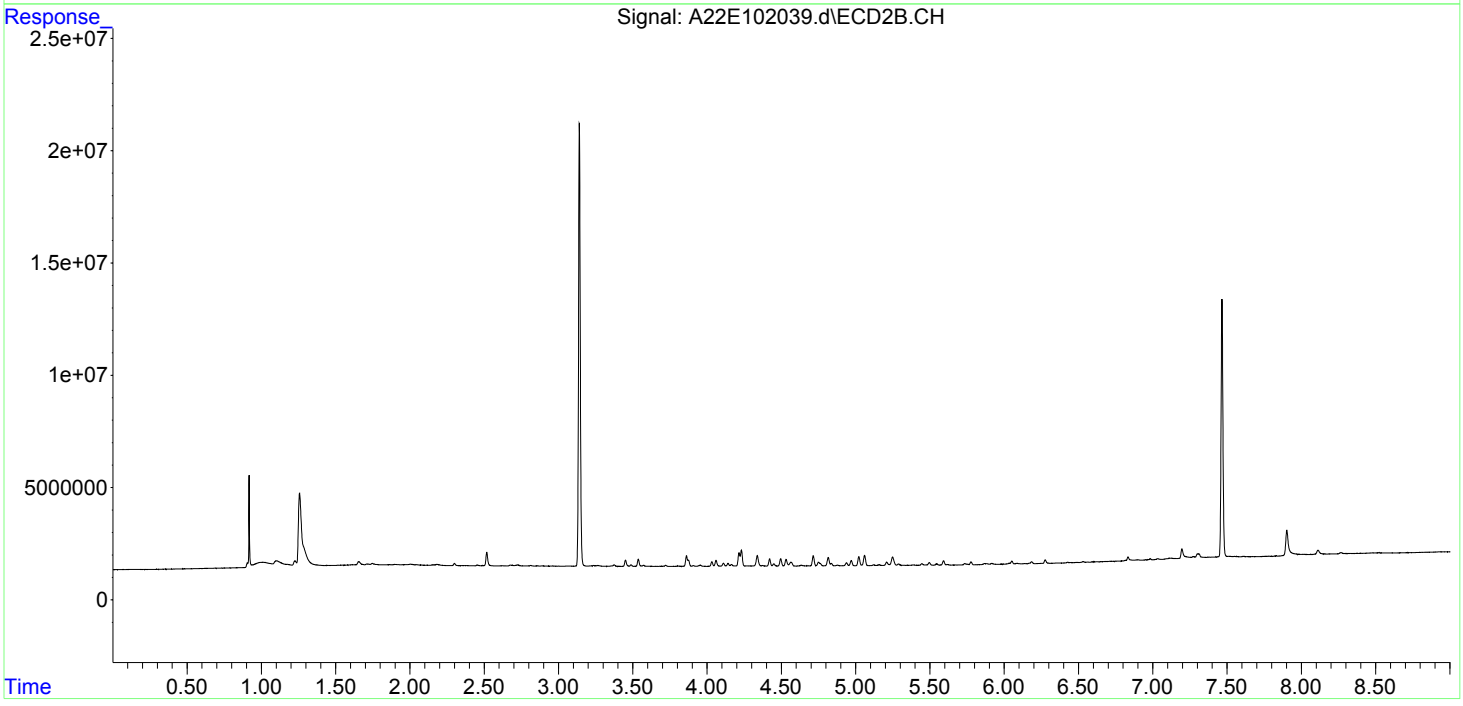
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102039.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 19:56 pm
Operator : JMB
Sample : 1242 10 Inst : ECD1
Misc : mix[l4]
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3164

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:17 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3165

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102040.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:09 pm
Operator : JMB
Sample : 1242 20 Inst : ECD1
Misc : mix[l4]
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D.	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D.
10) L7	1260{3}	0.000	0.000	0	0	N.D.	N.D.
11) L7	1260{4}	0.000	0.000	0	0	N.D.	N.D.
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D.
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	3.991	4.061	5805846	4217783	18.244	18.339
24) L4	1242{2}	4.206	4.231	16158751	11015038	18.544	17.885
25) L4	1242{3}	4.315	4.421	12718516	4952232	21.919	19.519
26) L4	1242{4}	4.650	4.496	10465333	5272079	17.813	18.489
27) L4	1242{5}	5.023	5.022	11216200	6818807	22.190	18.233
Sum	1242			56364647	32275938	98.710	92.464
Average	1242					19.742	18.493
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102040.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:09 pm
Operator : JMB
Sample : 1242 20 Inst : ECD1
Misc : mix[l4]
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D.	N.D.
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D.
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D.
36)	L9 1268{4}	0.000	0.000	0	0	N.D.	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D.	N.D.
43)	L8 1262{3}	0.000	0.000	0	0	N.D.	N.D.
44)	L8 1262{4}	0.000	0.000	0	0	N.D.	N.D.
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

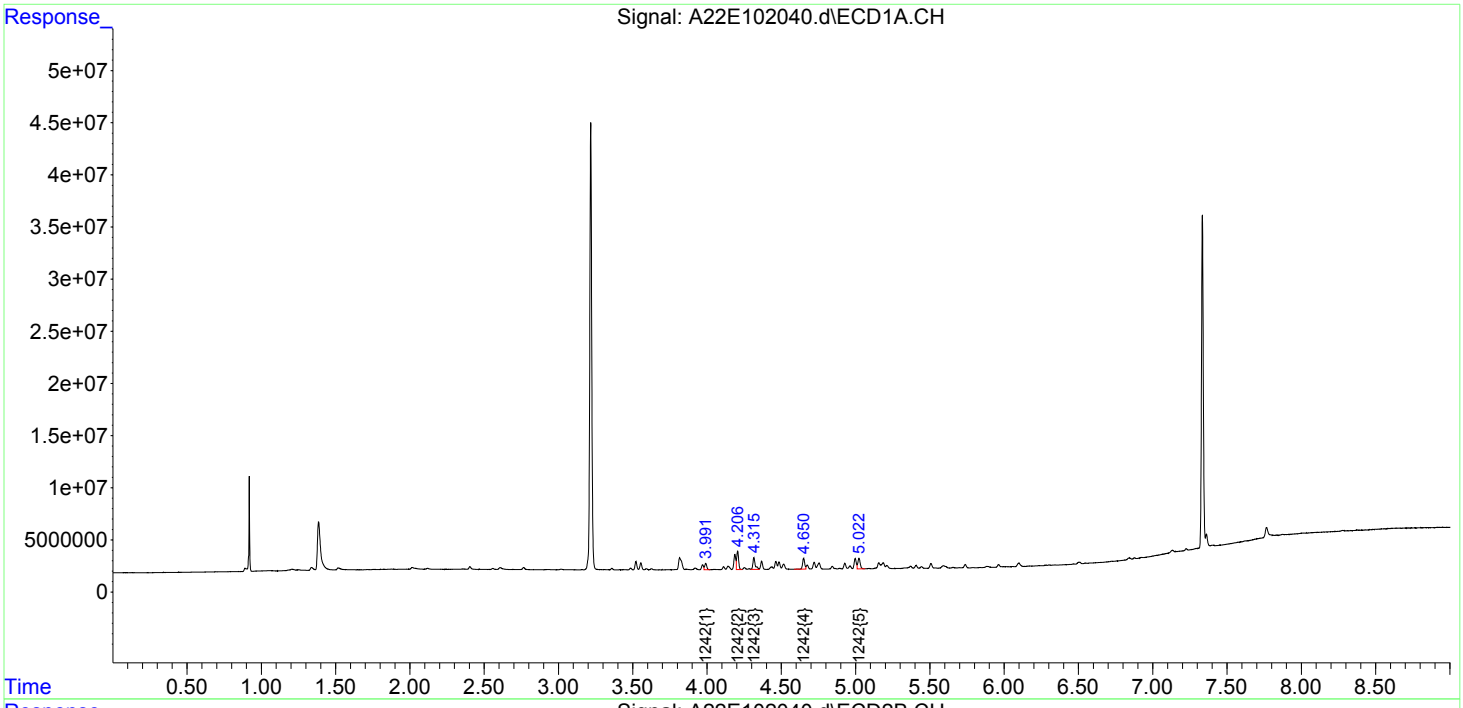
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

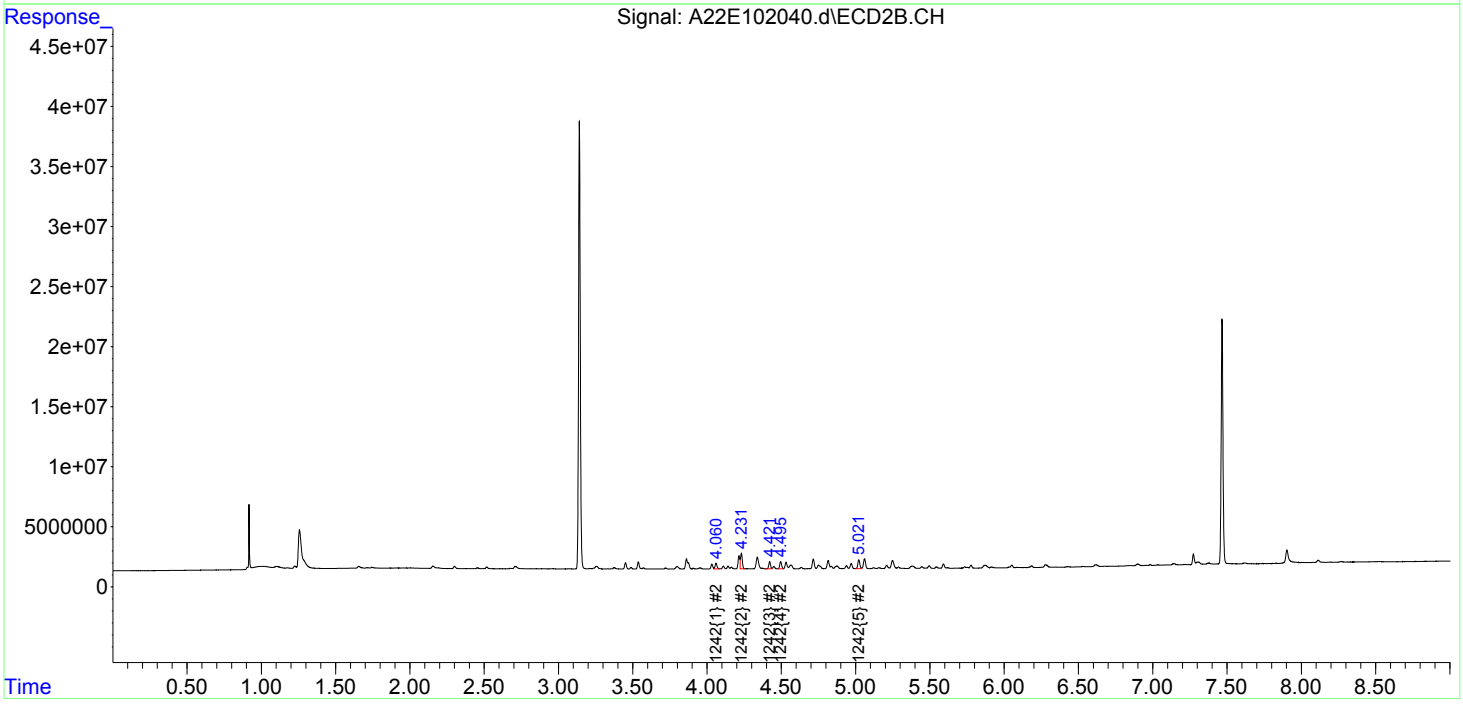
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102040.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:09 pm
Operator : JMB
Sample : 1242 20 Inst : ECD1
Misc : mix[l4]
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3167

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3168

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102041.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:23 pm
Operator : JMB
Sample : 1242 50 Inst : ECD1
Misc : mix[l4]
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:19 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D.	N.D.
11) L7	1260{4}	0.000	0.000	0	0	N.D.	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	3.991	4.061	13654448	10193236	44.877	46.241
24) L4	1242{2}	4.206	4.231	38853273	25988557	46.273	44.552
25) L4	1242{3}	4.316	4.421	25610218	12033190	42.116	48.005
26) L4	1242{4}	4.651	4.496	24689906	12320573	44.455	44.904
27) L4	1242{5}	5.023	5.022	22175393	15876958	41.595	44.416
Sum	1242			125.0E6	76412514	219.315	228.118
Average	1242					43.863	45.624
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102041.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:23 pm
Operator : JMB
Sample : 1242 50 Inst : ECD1
Misc : mix[l4]
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:19 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D.	N.D.
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D.
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D.	N.D.
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D.	N.D.
44)	L8 1262{4}	0.000	0.000	0	0	N.D.	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

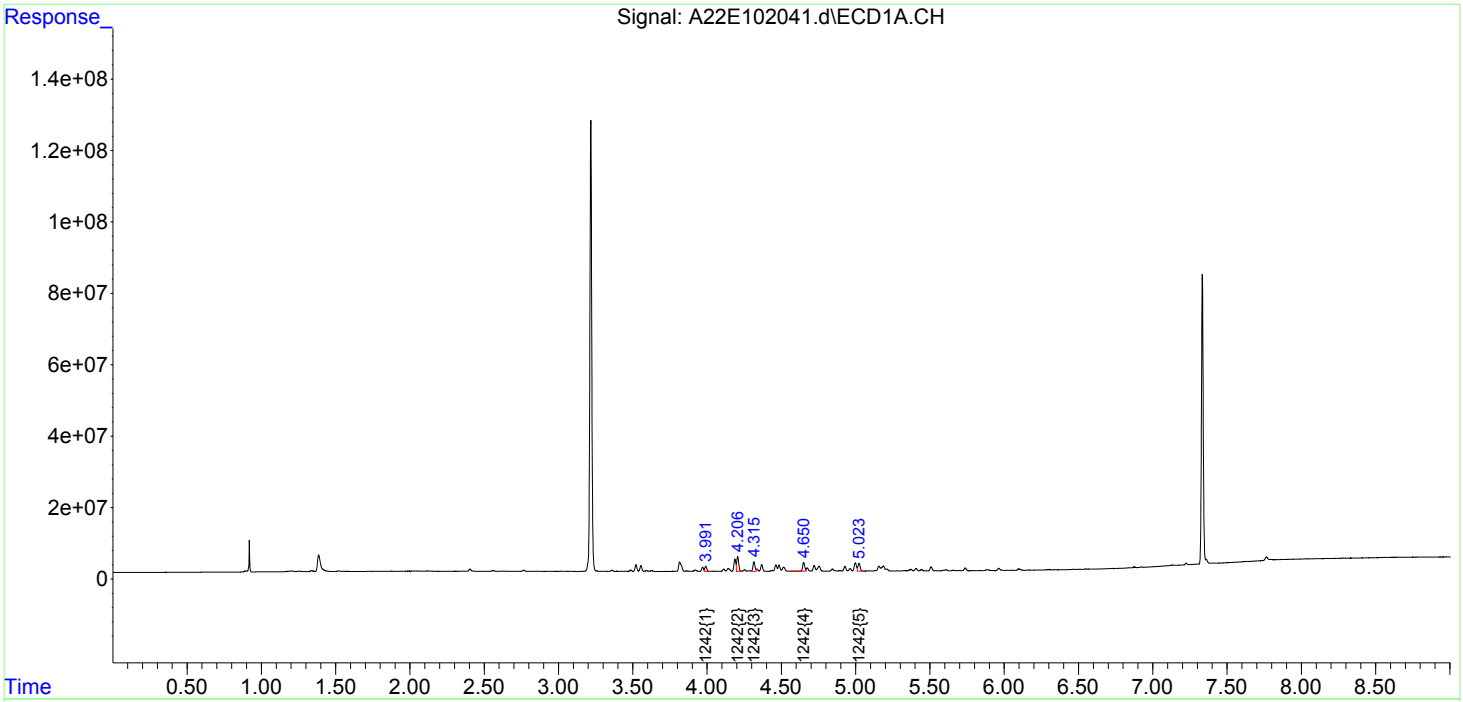
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

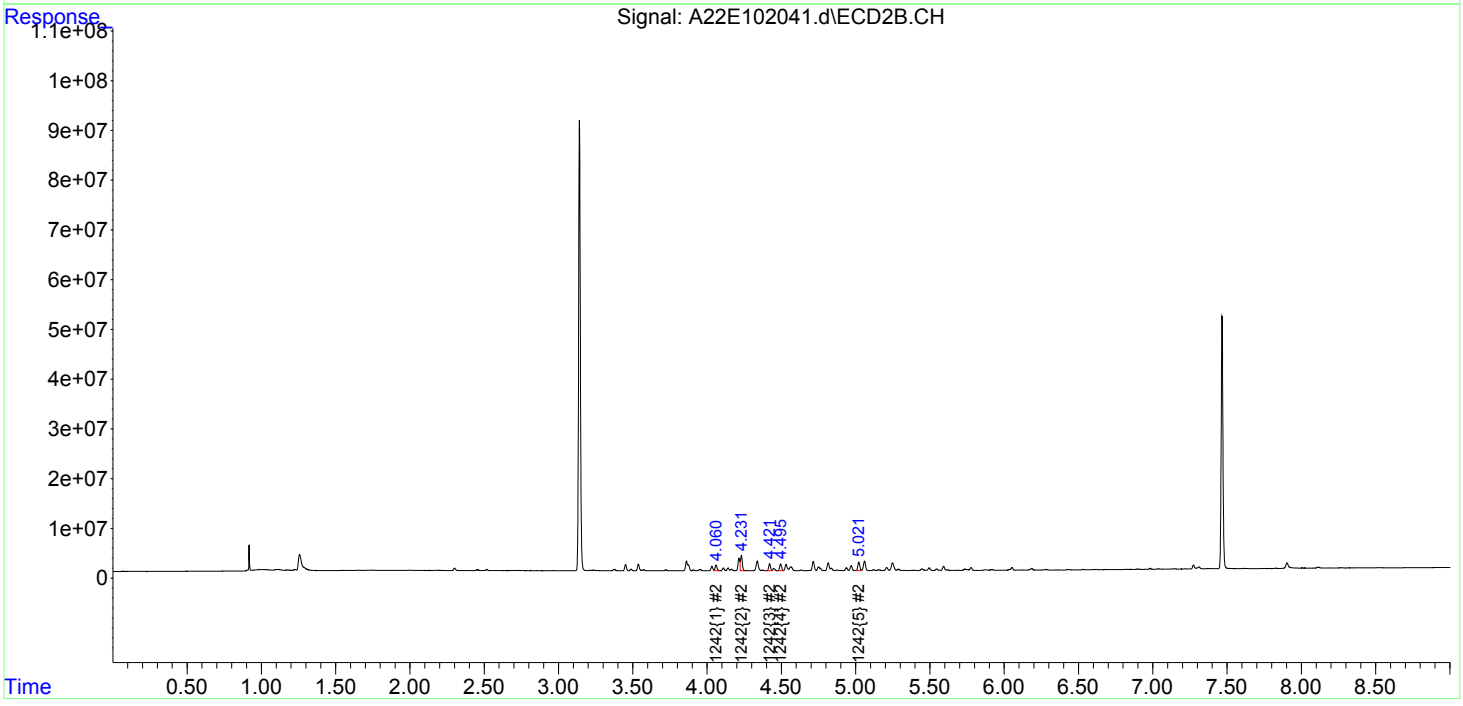
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102041.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:23 pm
Operator : JMB
Sample : 1242 50 Inst : ECD1
Misc : mix[l4]
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3170

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:19 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3171

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102042.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:36 pm
Operator : JMB
Sample : 1242 100 Inst : ECD1
Misc : mix[l4]
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	3.991	4.060	26283410	19164006	89.438	89.171
24) L4	1242{2}	4.206	4.231	76203318	49898511	93.068	88.765
25) L4	1242{3}	4.315	4.421	49686734	23024916	86.243	93.094
26) L4	1242{4}	4.650	4.496	47011457	23114673	87.894	87.207
27) L4	1242{5}	5.023	5.021	42668325	30000353	84.784	87.171
Sum	1242			241.9E6	145.2E6	441.427	445.408
Average	1242					88.285	89.082
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102042.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:36 pm
Operator : JMB
Sample : 1242 100 Inst : ECD1
Misc : mix[l4]
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3172

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D.	N.D.
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D.
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D.
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D.
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

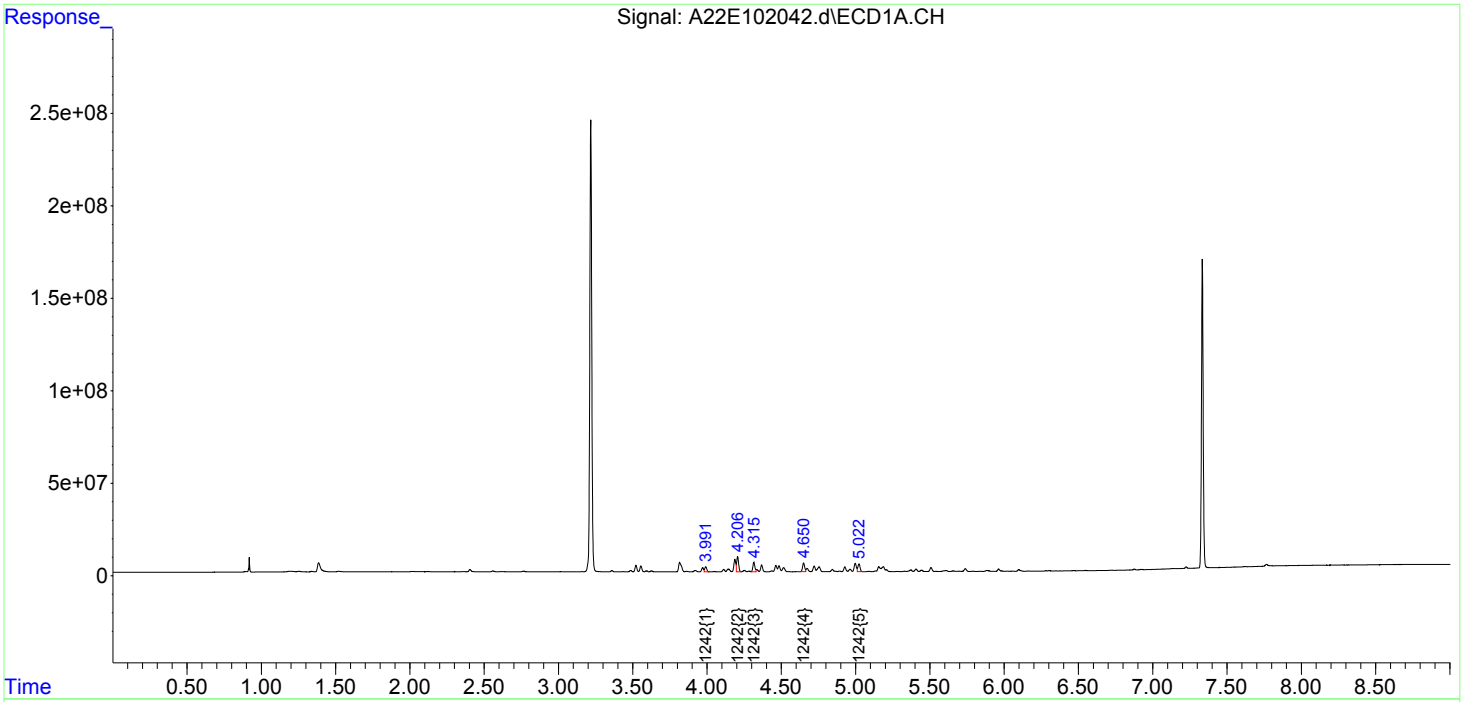
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

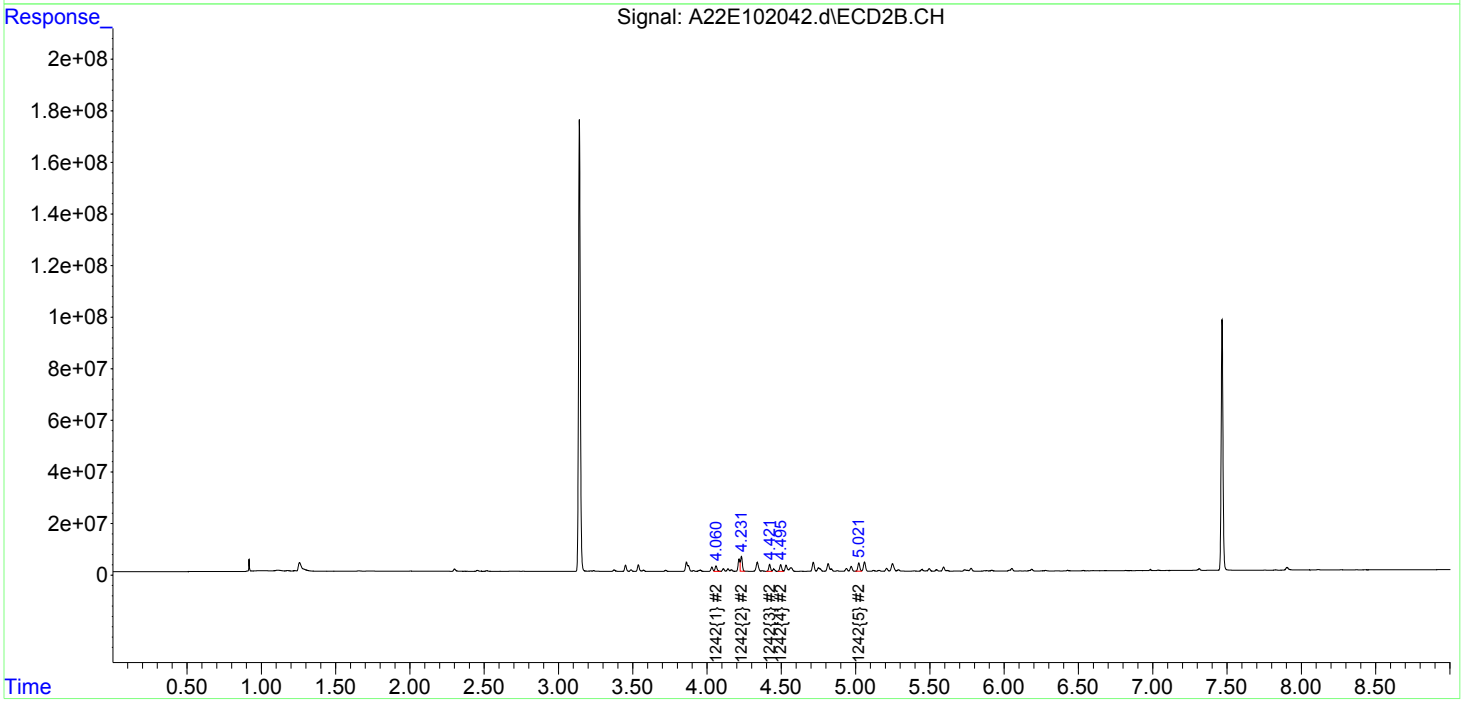
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102042.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:36 pm
Operator : JMB
Sample : 1242 100 Inst : ECD1
Misc : mix[l4]
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3173

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3174

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102043.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:49 pm
Operator : JMB
Sample : 1242 200 Inst : ECD1
Misc : mix[l4]
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:23 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:22 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	3.992	4.061	48939577	35622232	171.049	170.364
24) L4	1242{2}	4.207	4.232	148.5E6	94853480	184.597	173.613
25) L4	1242{3}	4.316	4.422	94563386	43432136	169.983	178.689
26) L4	1242{4}	4.651	4.497	88718423	42717573	171.048	166.489
27) L4	1242{5}	5.024	5.022	81226259	55961492	167.783	167.993
Sum	1242			462.0E6	272.6E6	864.460	857.148
Average	1242					172.892	171.430
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102043.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:49 pm
Operator : JMB
Sample : 1242 200 Inst : ECD1
Misc : mix[l4]
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3175

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:23 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:22 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D.
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

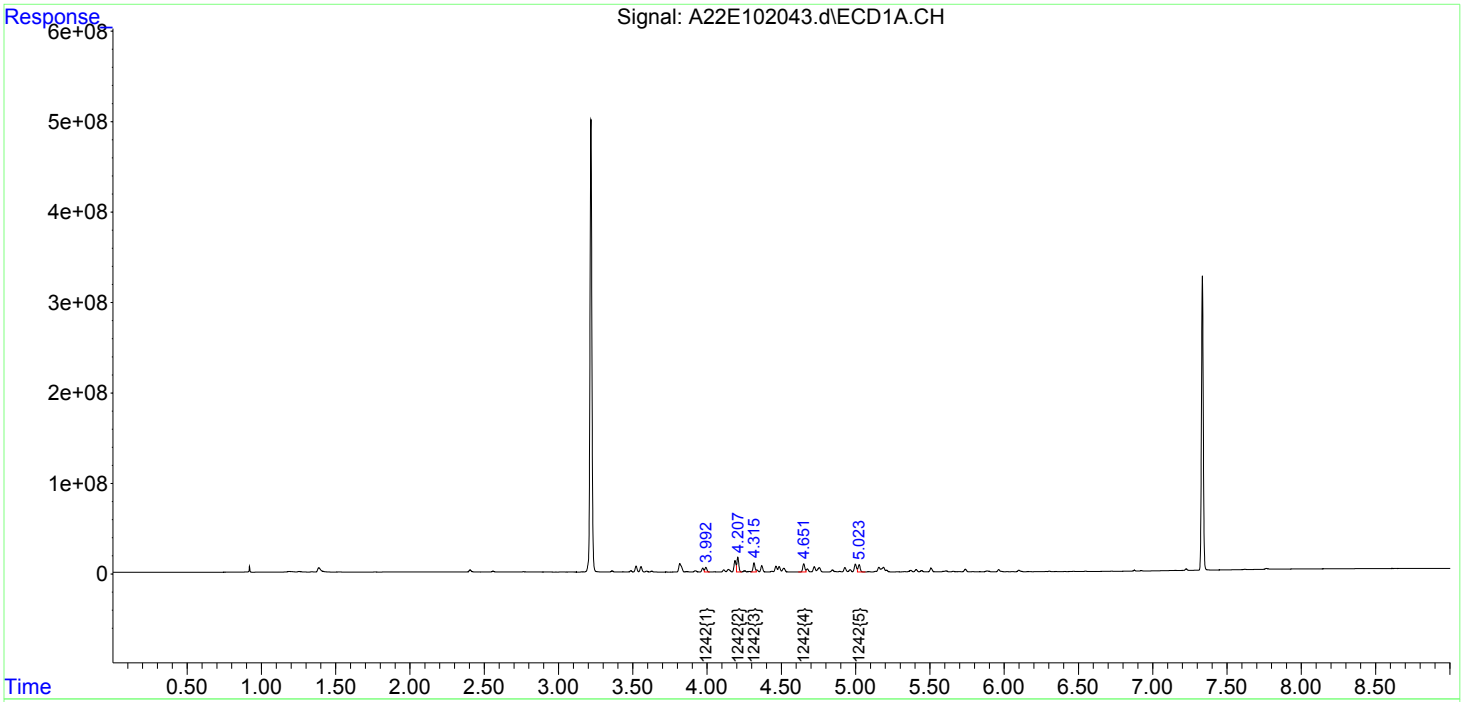
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

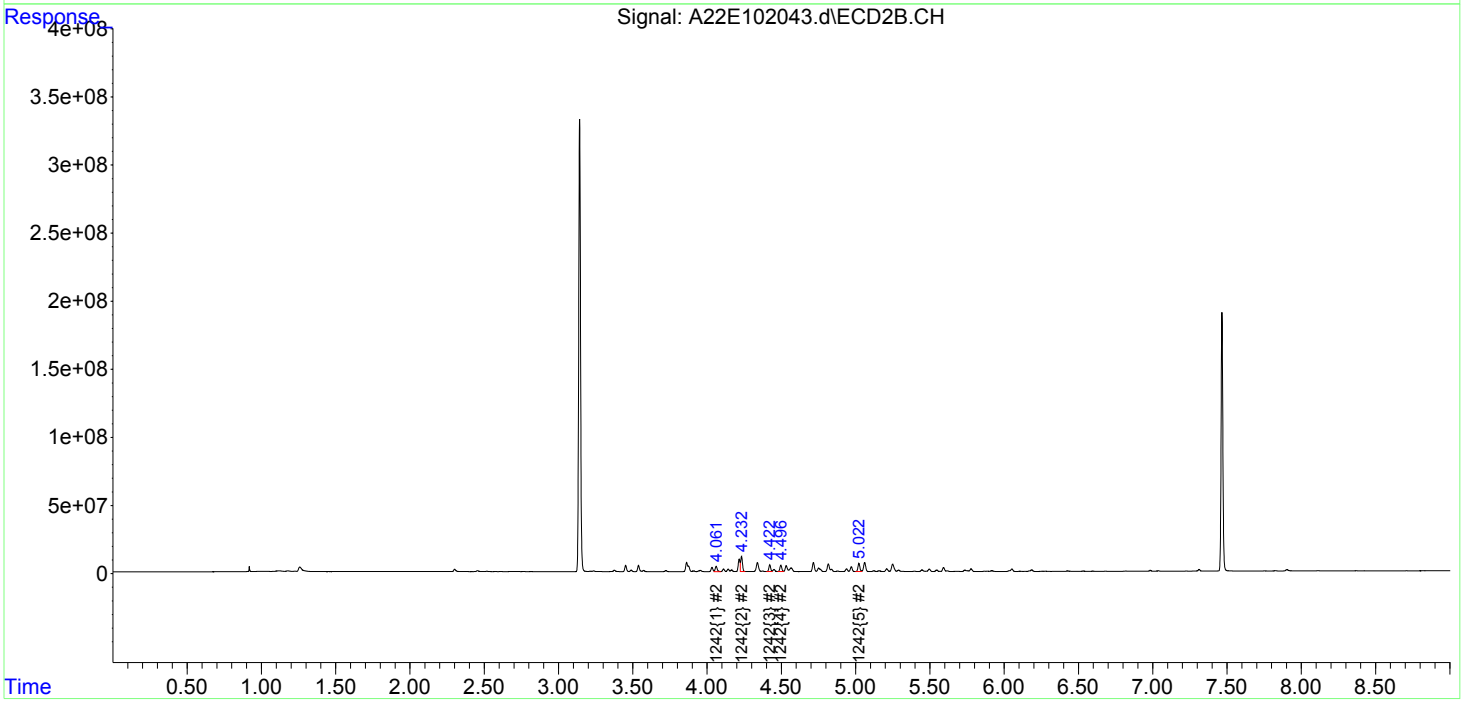
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102043.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 20:49 pm
Operator : JMB
Sample : 1242 200 Inst : ECD1
Misc : mix[l4]
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3176

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:23 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:22 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3177

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102044.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:03 pm
Operator : JMB
Sample : 1242 500 Inst : ECD1
Misc : mix[l4]
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:25 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:24 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	3.991	4.061	116.3E6	83125702	418.768	409.691
24) L4	1242{2}	4.206	4.231	368.3E6	230.0E6	464.935	432.424
25) L4	1242{3}	4.315	4.421	269.2E6	103.1E6	498.913	433.309
26) L4	1242{4}	4.650	4.496	216.1E6	99256455	429.034	400.259
27) L4	1242{5}	5.023	5.021	199.1E6	132.1E6	424.873	409.641
Sum	1242			1169.0E6	647.6E6	2236.522	2085.325
Average	1242					447.304	417.065
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102044.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:03 pm
Operator : JMB
Sample : 1242 500 Inst : ECD1
Misc : mix[l4]
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:25 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:24 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

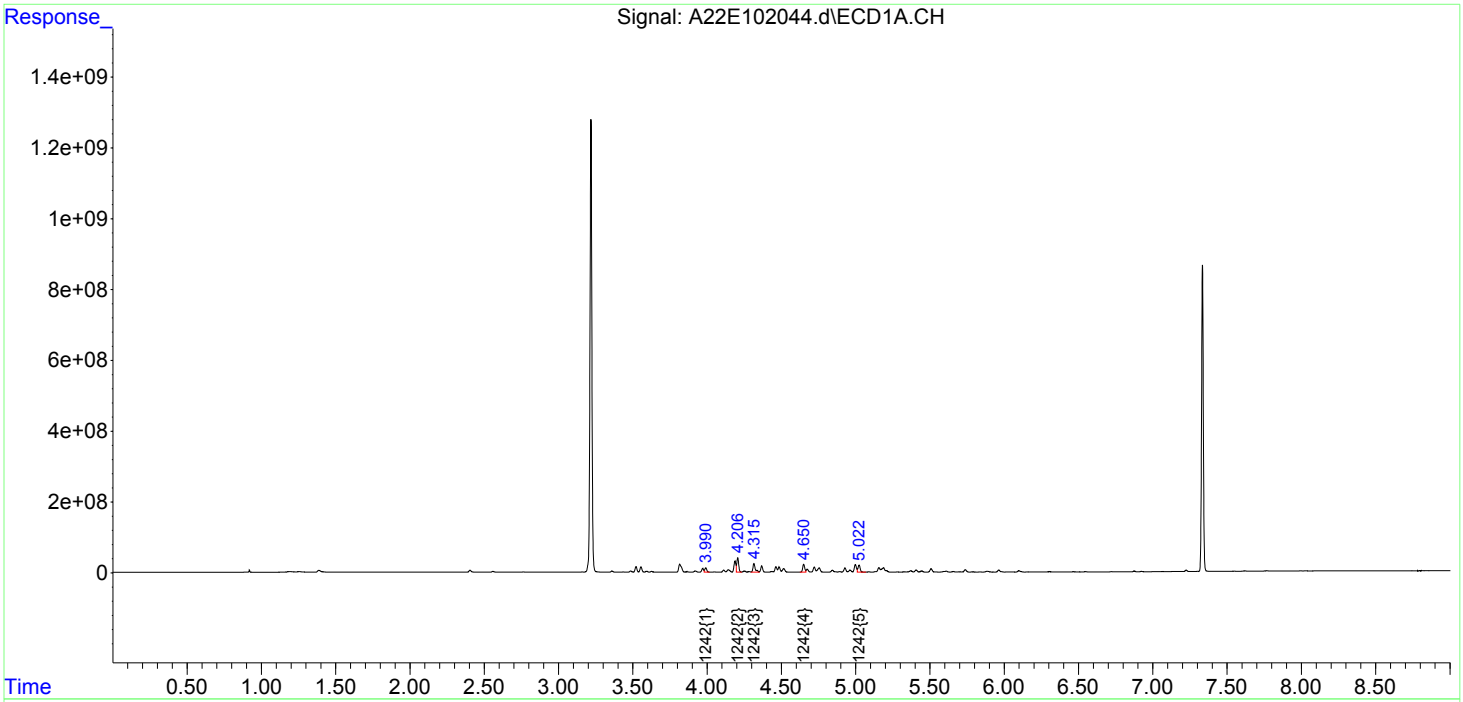
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

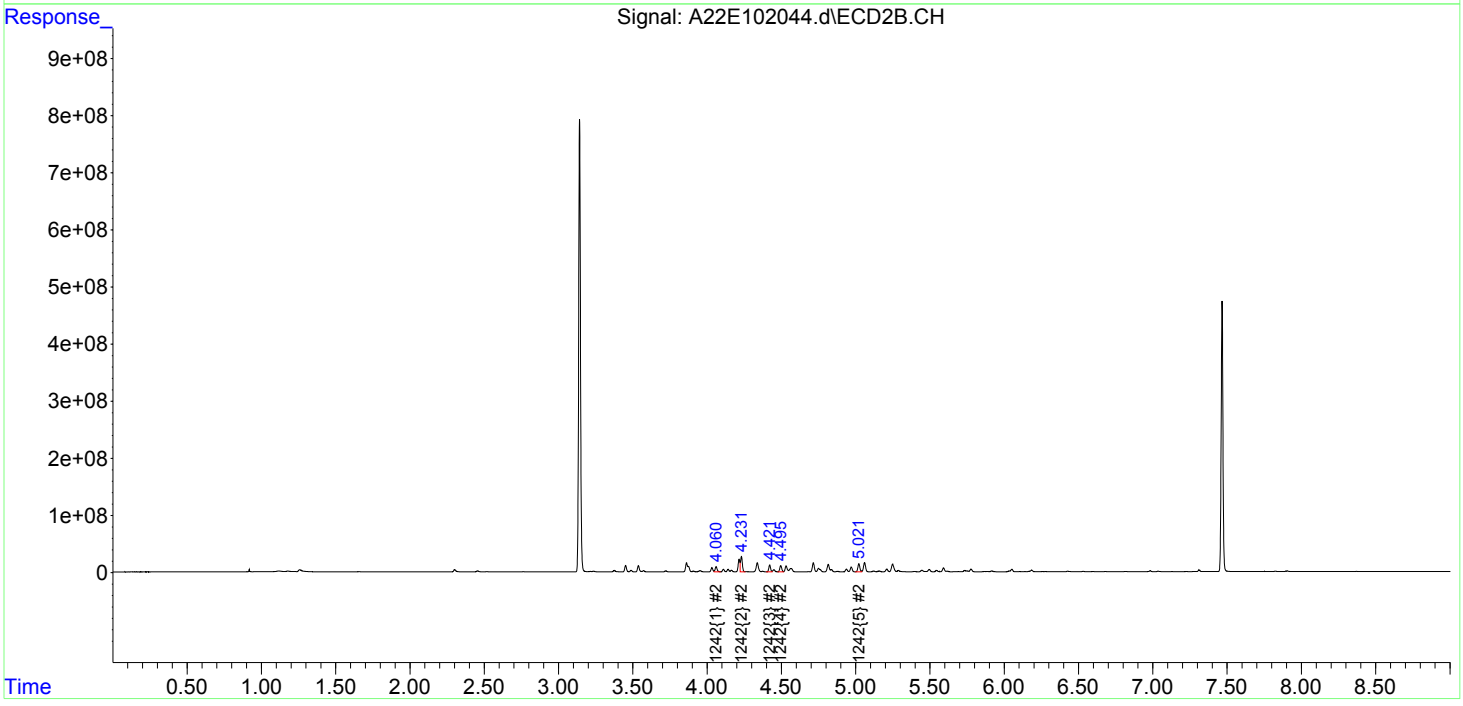
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102044.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:03 pm
Operator : JMB
Sample : 1242 500 Inst : ECD1
Misc : mix[l4]
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3179

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:25 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:24 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102046.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:29 pm
Operator : JMB
Sample : ICV STD 1242 Inst : ECD1
Misc : mix[l4]
ALS Vial : 46 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3180

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:56 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:25 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D.	N.D.
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D.	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	3.992	4.061	25781887	18566248	95.380	94.345
24) L4	1242{2}	4.207	4.231	76109282	48986020	97.208	94.212
25) L4	1242{3}	4.316	4.422	58181769	22416858	107.861	96.378
26) L4	1242{4}	4.651	4.496	45856420	20926133	93.252	87.288
27) L4	1242{5}	5.023	5.021	43946739	29778860	96.209	95.218
Sum	1242			249.9E6	140.7E6	489.910	467.443
Average	1242					97.982	93.489
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102046.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:29 pm
Operator : JMB
Sample : ICV STD 1242 Inst : ECD1
Misc : mix[l4]
ALS Vial : 46 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3181

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:56 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:25 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D.	N.D.
34)	L9 1268{2}	0.000	0.000	0	0	N.D.	N.D.
35)	L9 1268{3}	0.000	0.000	0	0	N.D.	N.D.
36)	L9 1268{4}	0.000	0.000	0	0	N.D.	N.D.
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D.	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

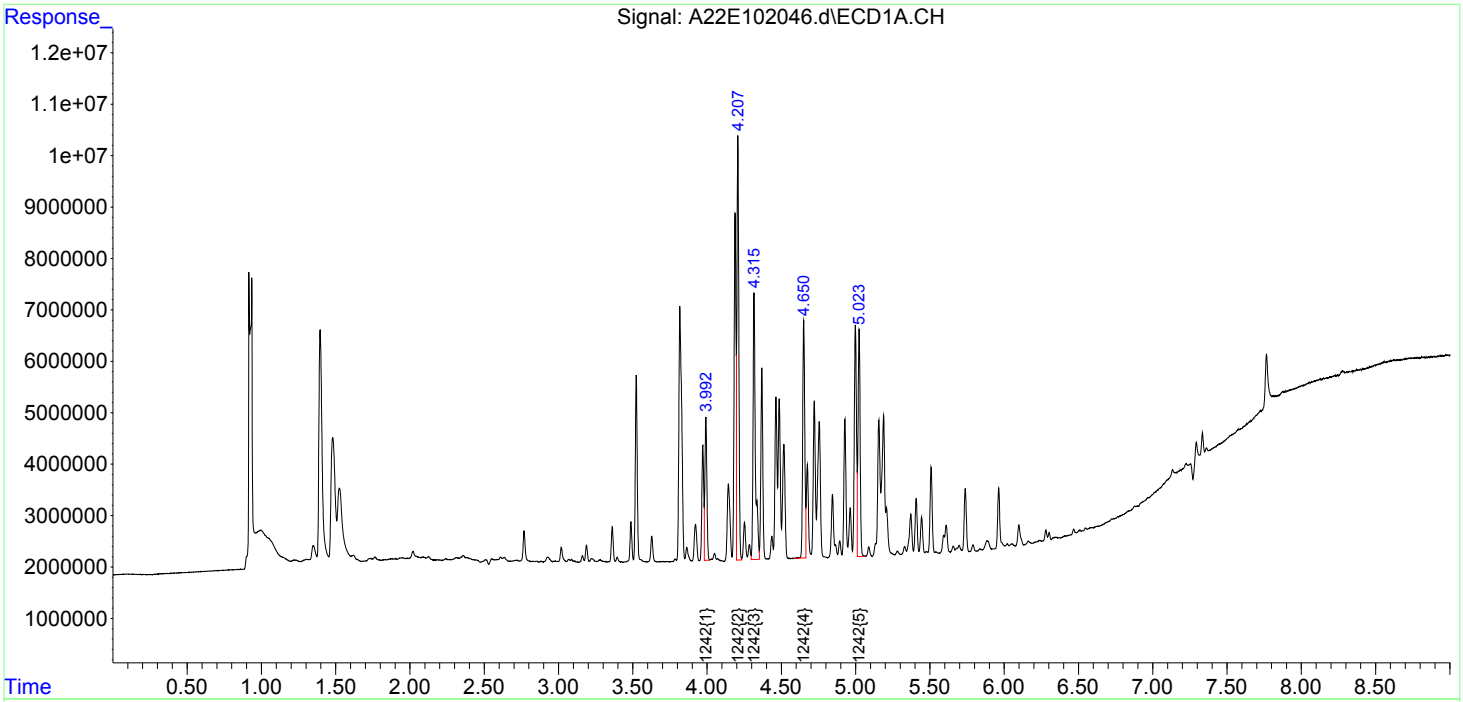
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

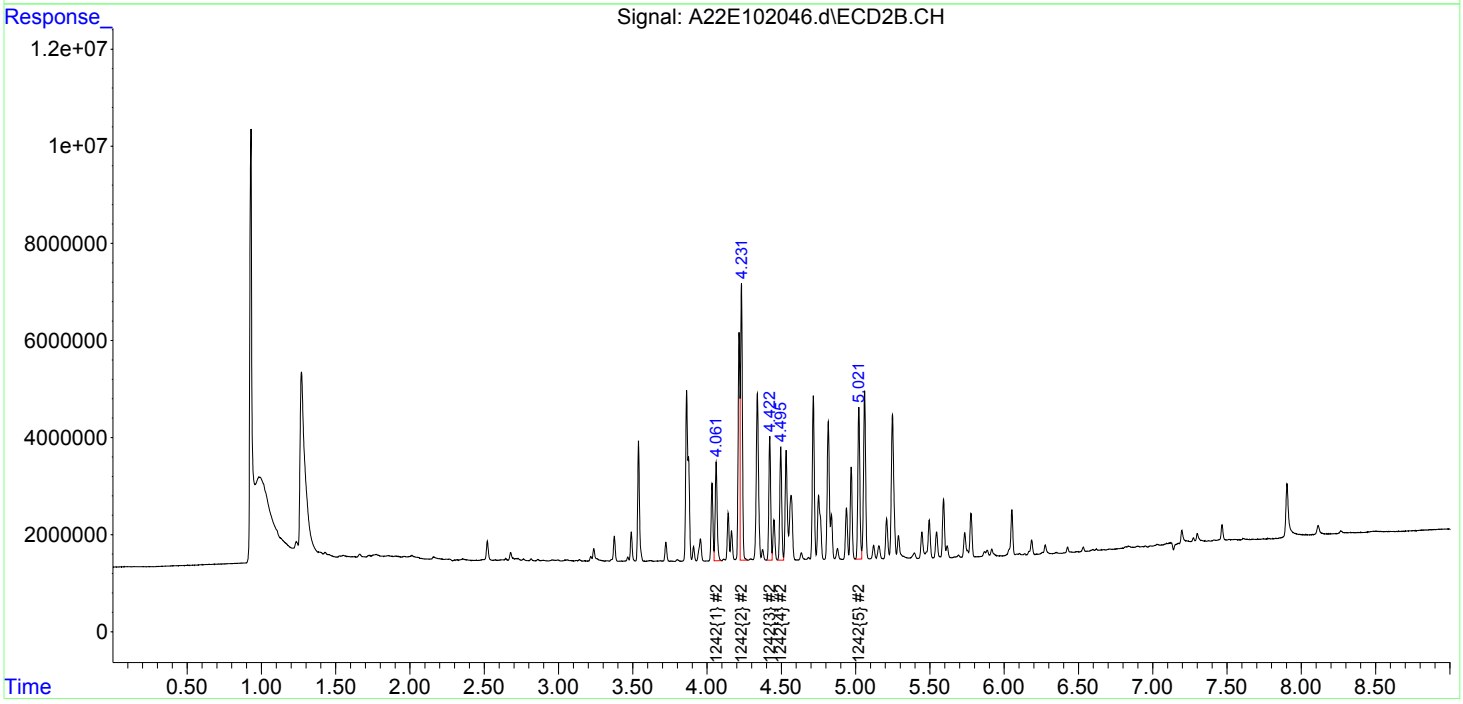
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102046.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:29 pm
Operator : JMB
Sample : ICV STD 1242 Inst : ECD1
Misc : mix[l4]
ALS Vial : 46 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3182

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 09:54:56 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 09:54:25 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3183

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102048.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:56 pm
Operator : JMB
Sample : 1232/1268 10 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:15 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:15 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D.	N.D.
9) L7	1260{2}	0.000	0.000	0	0	N.D.	N.D.
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D.	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D.	N.D.
15) L6	1254{3}	0.000	0.000	0	0	N.D.	N.D.
16) L6	1254{4}	0.000	0.000	0	0	N.D.	N.D.
17) L6	1254{5}	0.000	0.000	0	0	N.D.	N.D.
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	4.207	4.232	4422177	3242848	NoCal	NoCal
29) L3	1232{2}	4.368	4.496	2008827	1386432	NoCal	NoCal
30) L3	1232{3}	4.651	4.533	1915867	1092745	NoCal	NoCal
31) L3	1232{4}	4.722	4.716	1621270	1905124	NoCal	NoCal

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102048.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:56 pm
Operator : JMB
Sample : 1232/1268 10 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:15 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:15 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	4.998	4.816	2807444	1347937	NoCal	NoCal
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	6.739	6.813	29479619	21557285	NoCal	NoCal
34)	L9 1268{2}	6.763	6.840	28525286	20234678	NoCal	NoCal
35)	L9 1268{3}	6.876	6.984	24350733	16906952	NoCal	NoCal
36)	L9 1268{4}	7.070	7.131	11680340	7877648	NoCal	NoCal
37)	L9 1268{5}	7.225	7.313	75013908	47201559	NoCal	NoCal
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D.
42)	L8 1262{2}	0.000	0.000	0	0	N.D.	N.D.
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

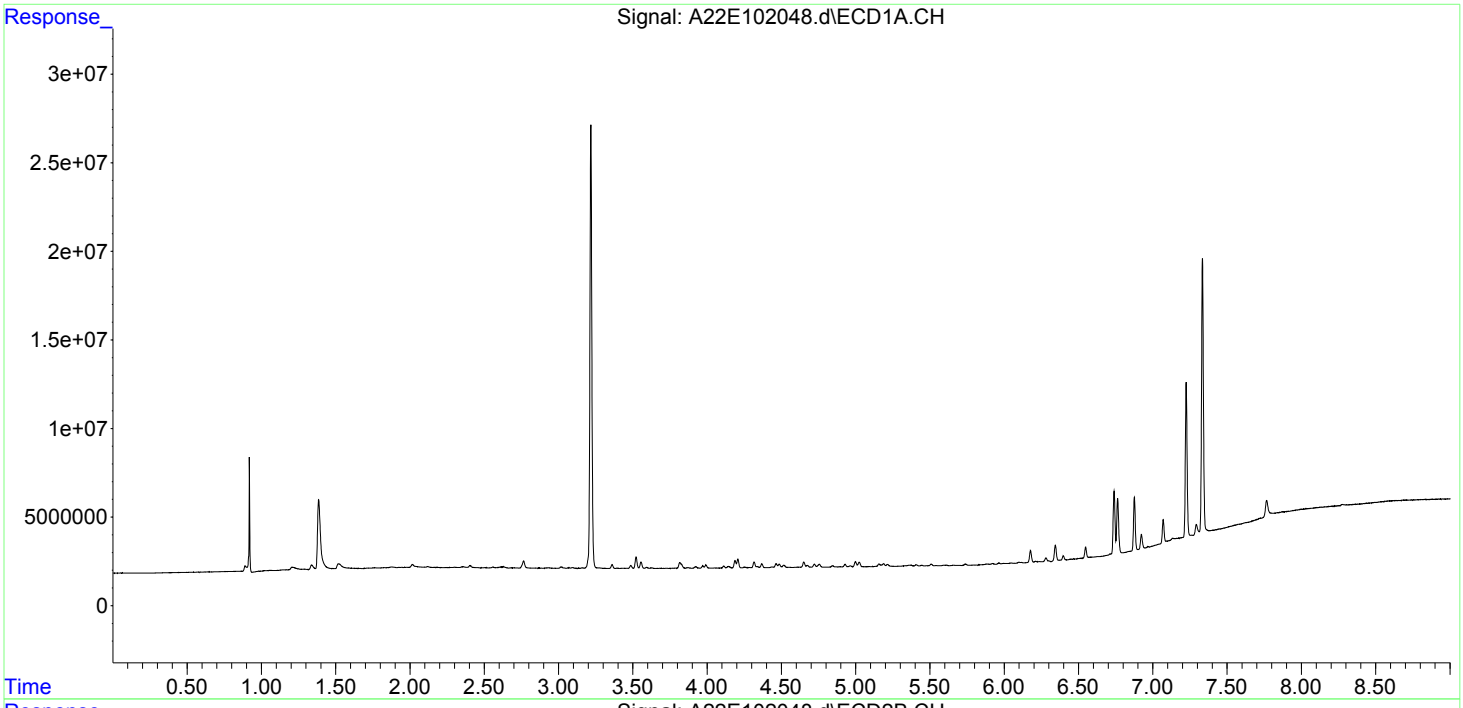
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

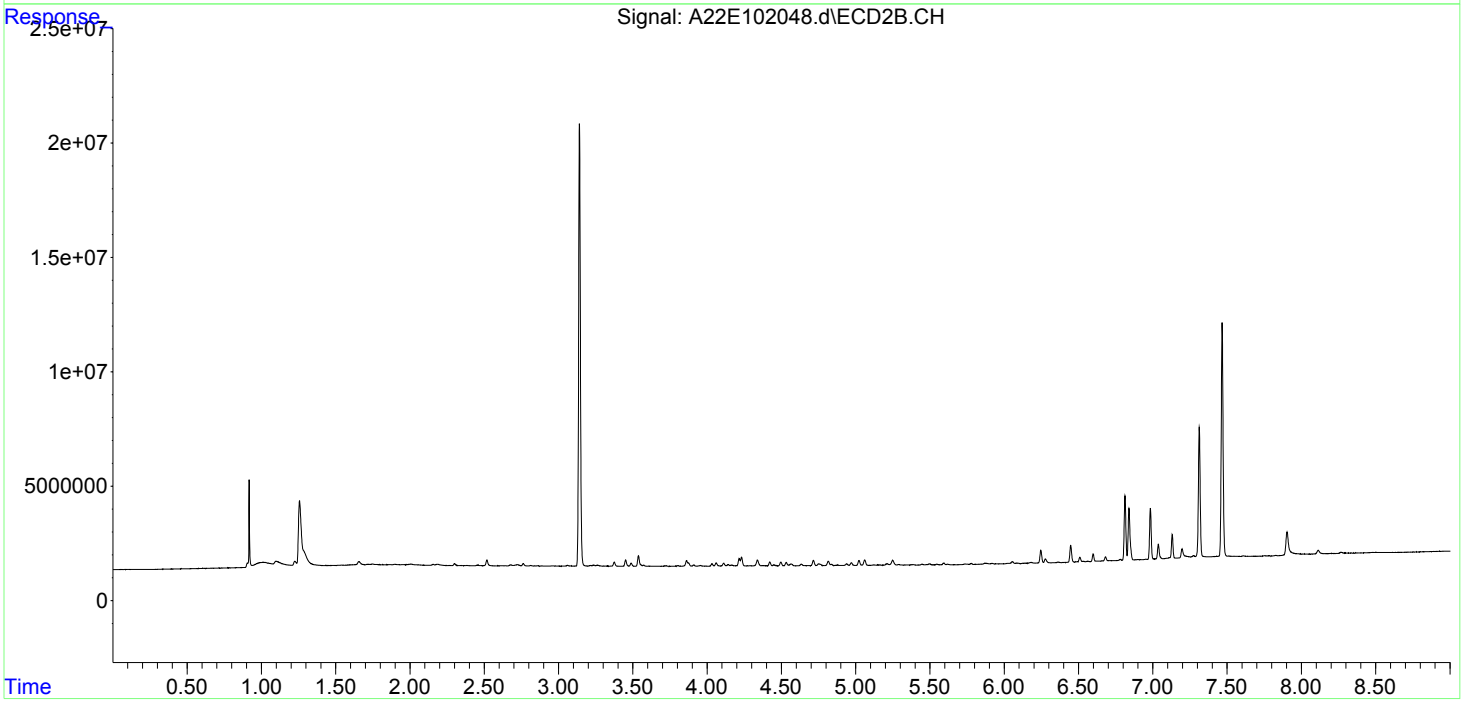
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102048.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 21:56 pm
Operator : JMB
Sample : 1232/1268 10 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3185

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:15 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:15 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102049.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:09 pm
Operator : JMB
Sample : 1232/1268 20 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:08:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:16 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D.	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D.
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D.
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D.
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D.
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	4.208	4.232	9256474	6674222	20.932	20.581
29) L3	1232{2}	4.369	4.497	4258887	2982293	21.201	21.511
30) L3	1232{3}	4.651	4.533	5911856	2974151	30.857	27.217
31) L3	1232{4}	4.722	4.716	3459282	4536555	21.337	23.812

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102049.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:09 pm
Operator : JMB
Sample : 1232/1268 20 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:08:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:16 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	4.999	4.816	5688448	3885120	20.262	28.823 #
	Sum 1232			28574947	21052341	114.589	121.944
Average	1232					22.918	24.389
33)	L9 1268{1}	6.740	6.812	62879113	44061092	21.330	20.439
34)	L9 1268{2}	6.763	6.840	58764309	41006280	20.601	20.265
35)	L9 1268{3}	6.876	6.983	50766418	35429488	20.848	20.956
36)	L9 1268{4}	7.070	7.130	21937859	17603352	18.782m	22.346m
37)	L9 1268{5}	7.225	7.312	148.2E6	98083935	19.754m	20.780
	Sum 1268			342.5E6	236.2E6	101.314	104.786
Average	1268					20.263	20.957
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D.	N.D.
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

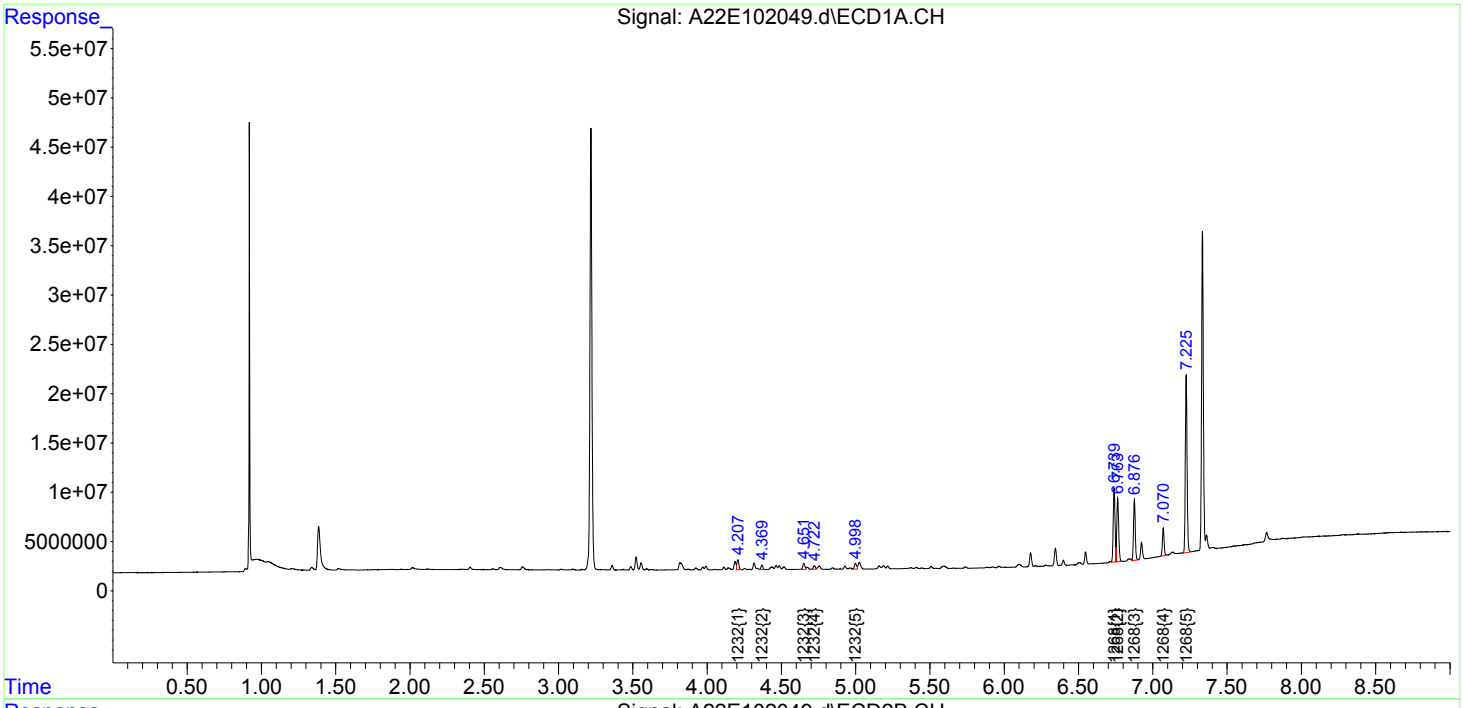
Quantitation Report (QT Reviewed)

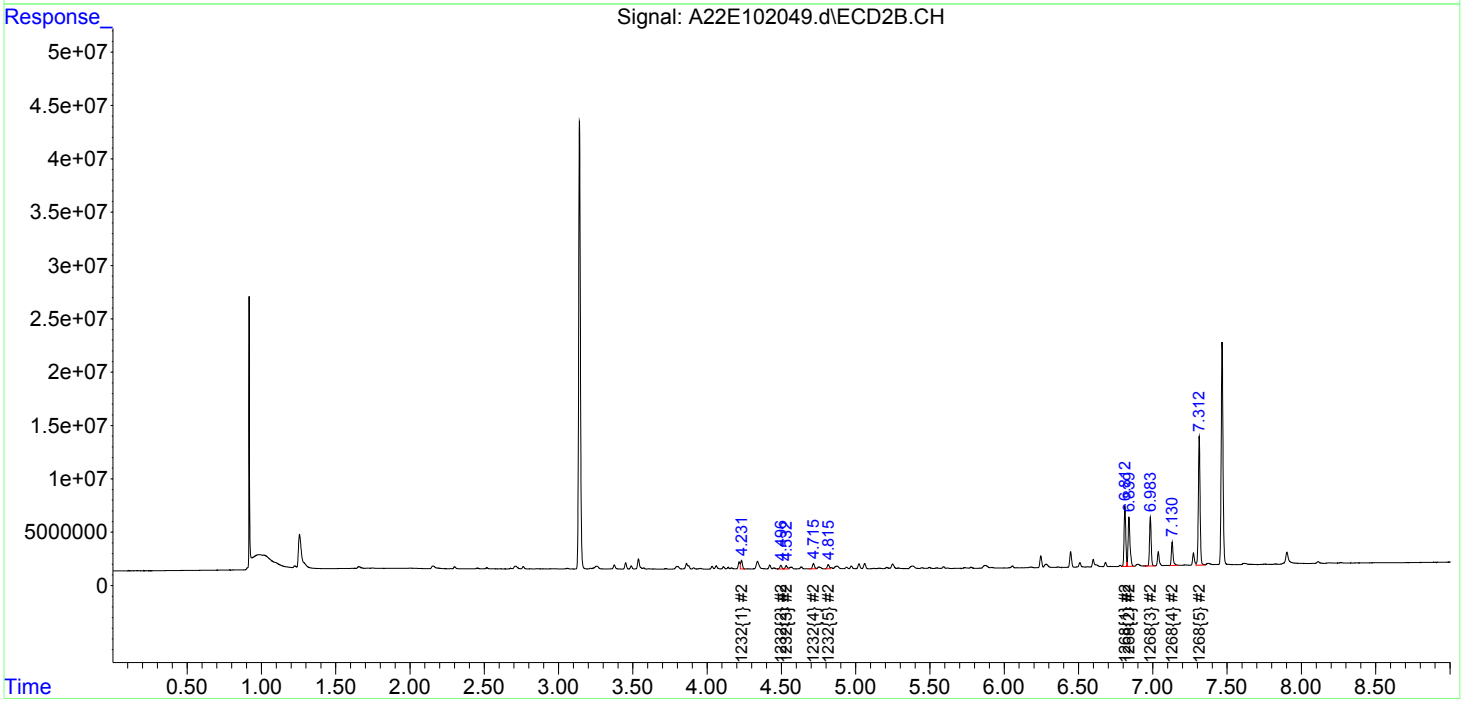
3188

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102049.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:09 pm
Operator : JMB
Sample : 1232/1268 20 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:08:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:16 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

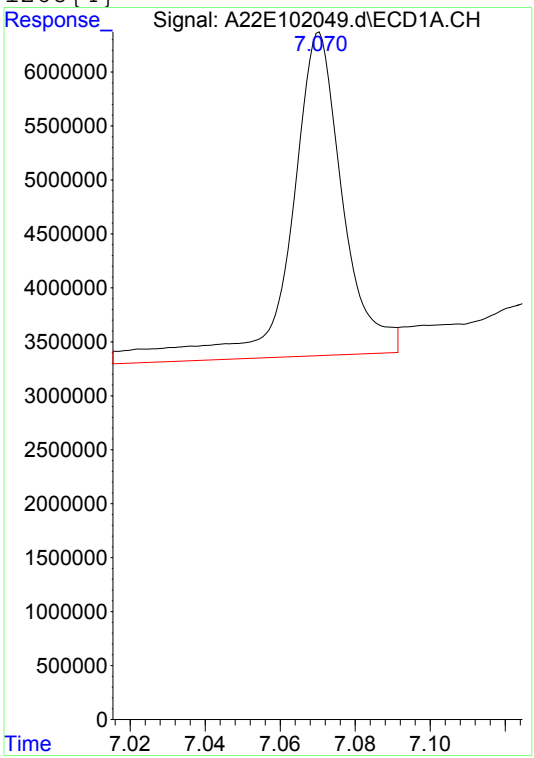




Data Path : C:\msdchem\1\data\041222\
Data File : A22E102049.d
Acq On : 12 Apr 2022 22:09 pm
Operator : JMB
Sample : 1232/1268 20
Misc : mix[13,19]

Quant Time : Wed Apr 13 10:08:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
QLast Update : Wed Apr 13 10:06:16 2022

Original Integration
1268{4}



Original Int. Results

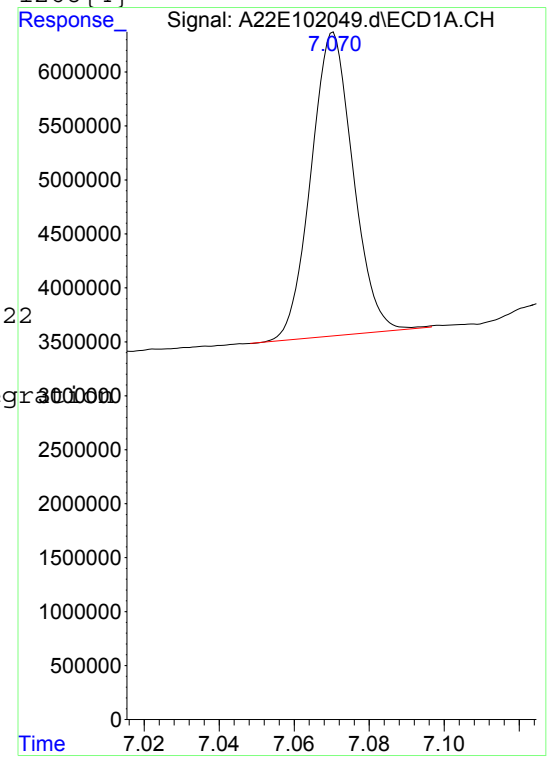
RT : 7.07
Area : 3.21637e+007
Amount: 27.5366

Manual Int. Results

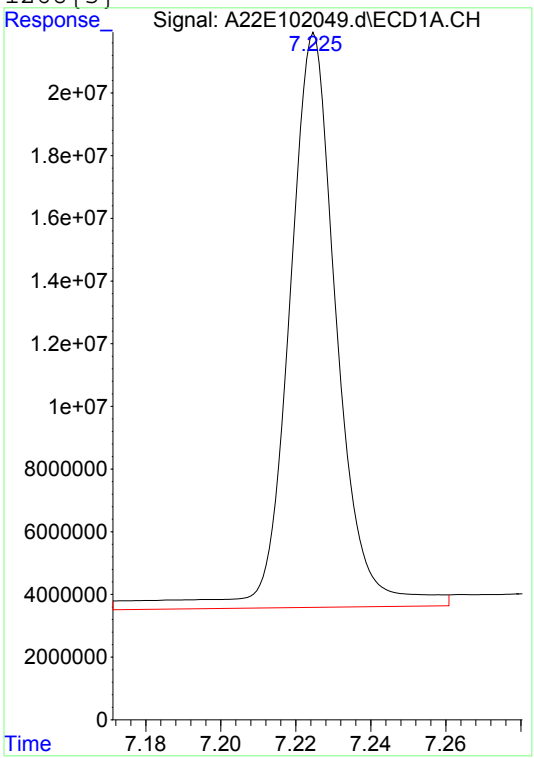
Wed Apr 13 10:08:22 2022

MIuser: sfm
Reason: Incorrect Integration
RT : 7.07
Area : 2.19379e+007
Amount: 18.7819

Manual Integration
1268{4}



Original Integration
1268{5}



Original Int. Results

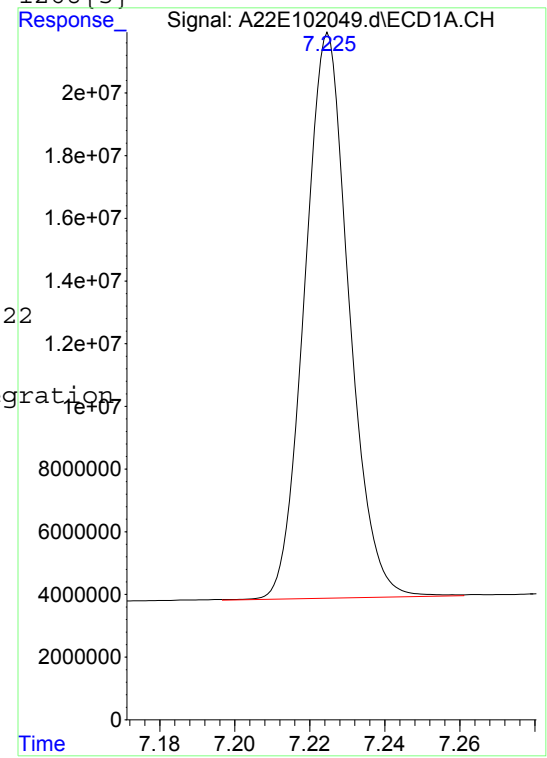
RT : 7.22
Area : 1.65761e+008
Amount: 22.0974

Manual Int. Results

Wed Apr 13 10:07:38 2022

MIuser: sfm
Reason: Incorrect Integration
RT : 7.22
Area : 1.4818e+008
Amount: 19.7537

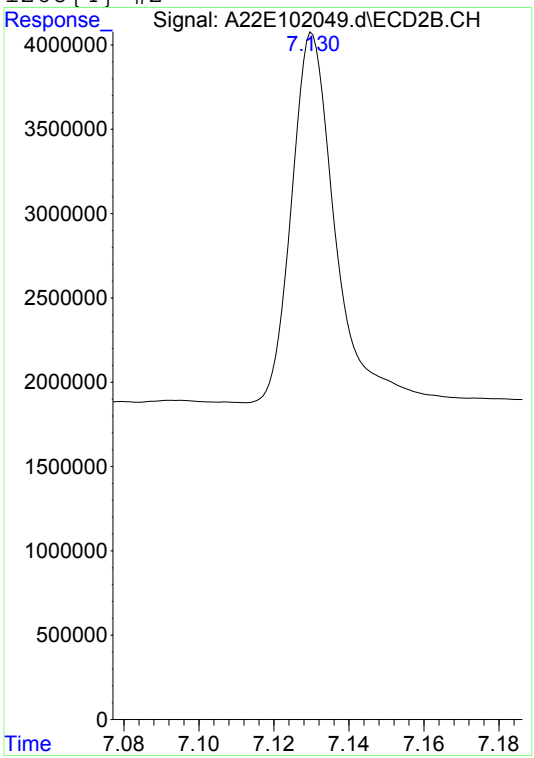
Manual Integration
1268{5}



Data Path : C:\msdchem\1\data\041222\
Data File : A22E102049.d
Acq On : 12 Apr 2022 22:09 pm
Operator : JMB
Sample : 1232/1268 20
Misc : mix[13,19]

Quant Time : Wed Apr 13 10:08:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
QLast Update : Wed Apr 13 10:06:16 2022

Original Integration
1268{4} #2



Original Int. Results

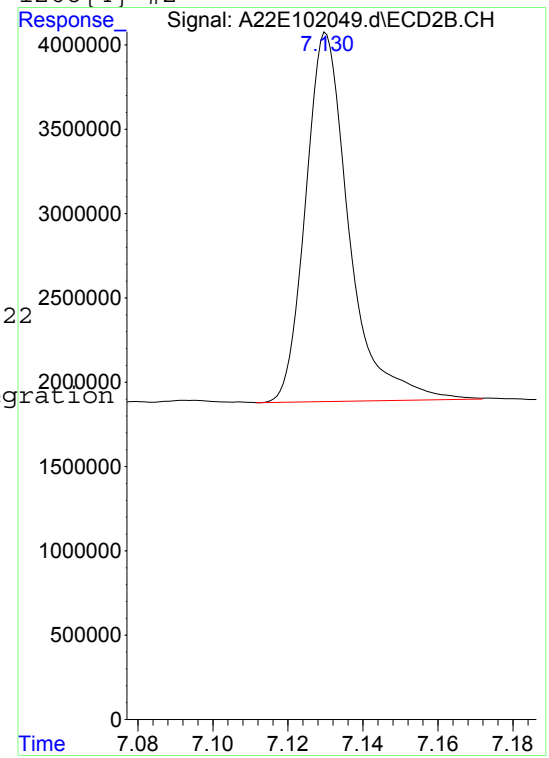
RT : 7.13
Area : 1.91376e+007
Amount: 24.2935

Manual Int. Results

Wed Apr 13 10:07:46 2022

MIuser: sfm
Reason: Incorrect Integration
RT : 7.13
Area : 1.76034e+007
Amount: 22.3459

Manual Integration
1268{4} #2



Quantitation Report (Not Reviewed)

3191

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102050.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:23 pm
Operator : JMB
Sample : 1232/1268 50 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:18 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	4.207	4.231	22188994	15695229	49.034	47.706
29) L3	1232{2}	4.368	4.496	10343491	7100272	49.989	49.349
30) L3	1232{3}	4.651	4.532	14118300	7155489	57.959	55.473
31) L3	1232{4}	4.721	4.716	8459371	10550348	50.490	50.560

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102050.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:23 pm
Operator : JMB
Sample : 1232/1268 50 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:18 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	4.998	4.816	13774005	9234675	48.743	56.129
	Sum 1232			68884160	49736012	256.216	259.217
Average	1232					51.243	51.843
33)	L9 1268{1}	6.739	6.812	150.2E6	101.6E6	49.302	46.623
34)	L9 1268{2}	6.763	6.839	140.3E6	94372707	48.443	46.332
35)	L9 1268{3}	6.875	6.983	119.9E6	80751426	48.227	46.648
36)	L9 1268{4}	7.070	7.130	62564062	37246584	45.071	42.698
37)	L9 1268{5}	7.224	7.312	376.3E6	228.4E6	47.666	47.458
	Sum 1268			849.2E6	542.4E6	238.710	229.759
Average	1268					47.742	45.952
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

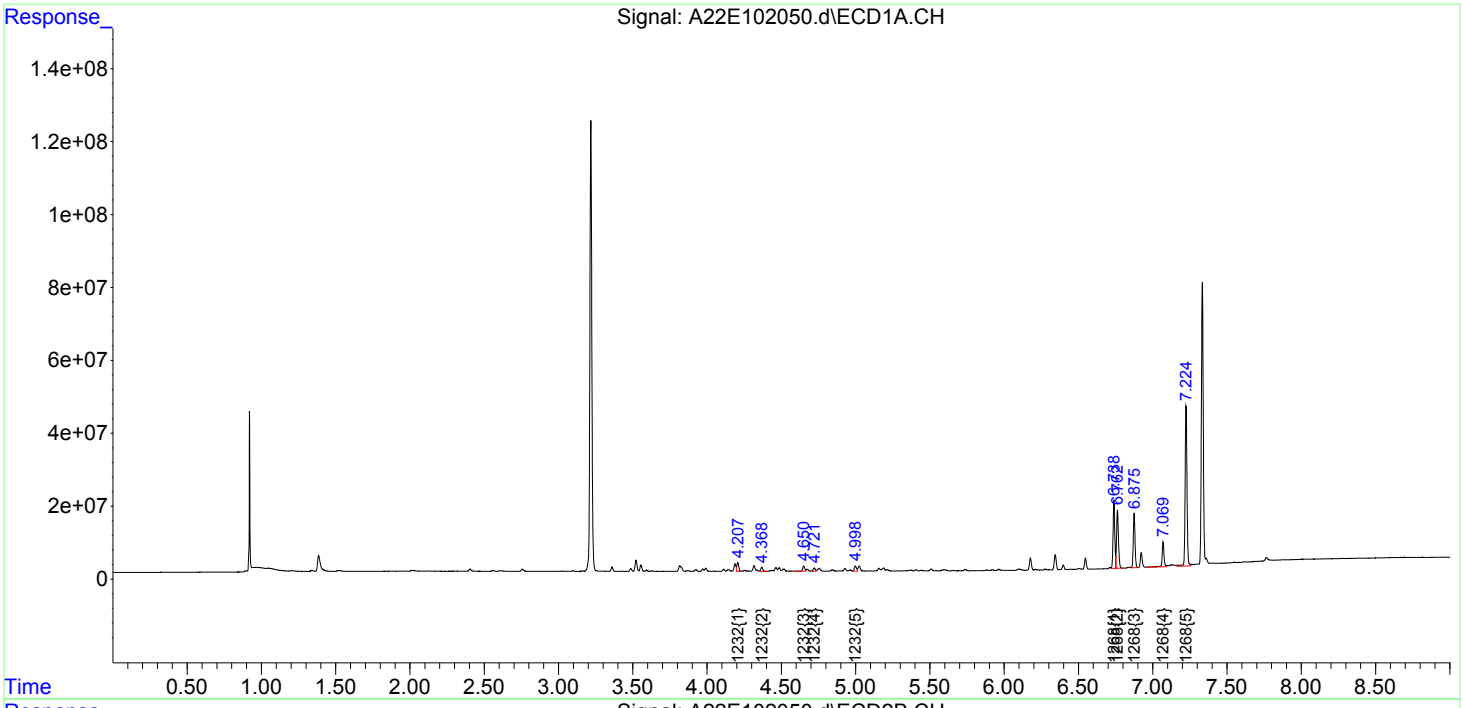
Quantitation Report (Not Reviewed)

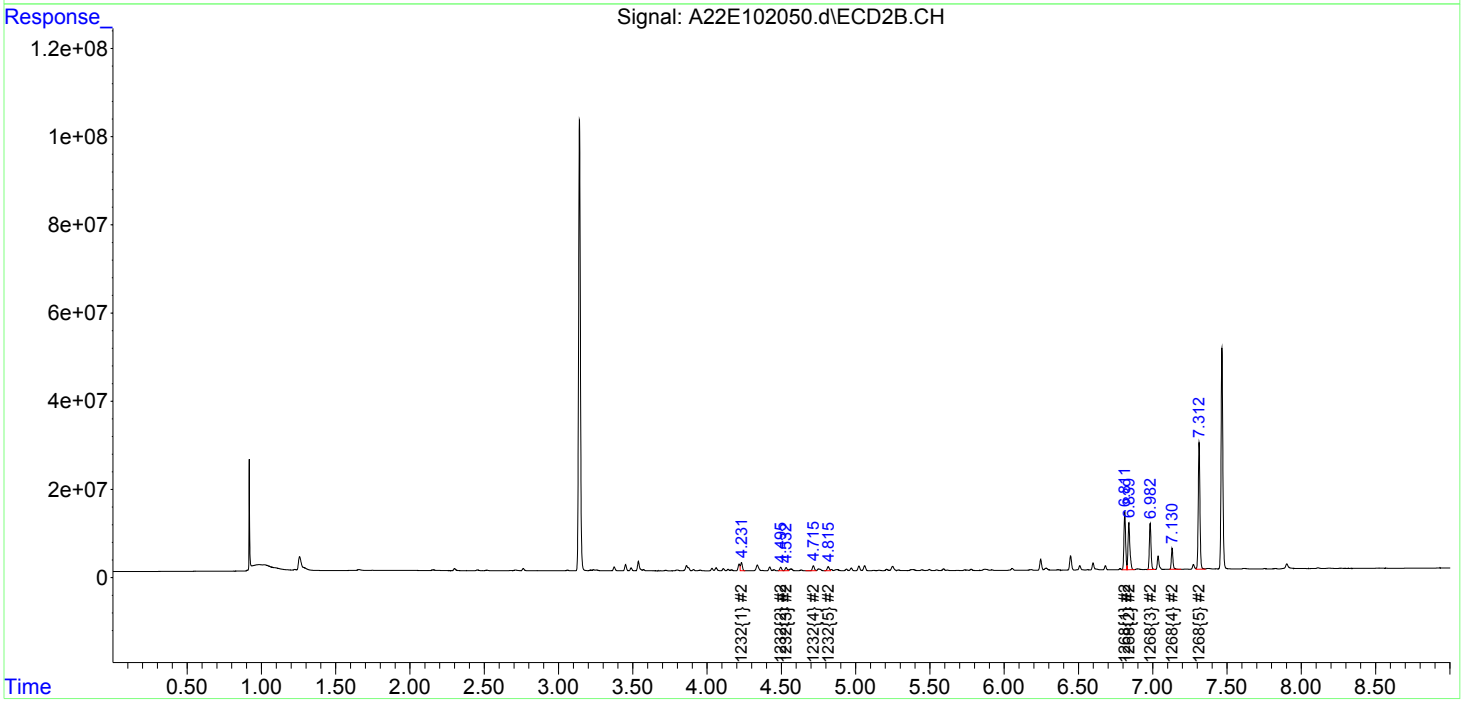
3193

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102050.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:23 pm
Operator : JMB
Sample : 1232/1268 50 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:18 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:17 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102051.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:36 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	4.207	4.232	41299929	28358398	91.858	87.535
29) L3	1232{2}	4.368	4.496	19199404	12720629	92.796	88.797
30) L3	1232{3}	4.651	4.532	25144827	12880042	98.025	96.337
31) L3	1232{4}	4.722	4.716	15664628	18231821	93.190	87.047

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102051.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:36 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	4.998	4.816	25042382	16414213	89.368	95.851
	Sum 1232			126.4E6	88605103	465.237	455.567
Average	1232					93.047	91.113
33)	L9 1268{1}	6.739	6.813	279.4E6	185.9E6	92.155	87.245
34)	L9 1268{2}	6.763	6.840	262.1E6	171.9E6	91.473	86.530
35)	L9 1268{3}	6.876	6.983	221.0E6	148.2E6	89.948	87.548
36)	L9 1268{4}	7.070	7.131	100.9E6	63466436	75.133	76.479
37)	L9 1268{5}	7.225	7.313	683.6E6	421.4E6	87.960	89.089
	Sum 1268			1547.0E6	990.9E6	436.670	426.890
Average	1268					87.334	85.378
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

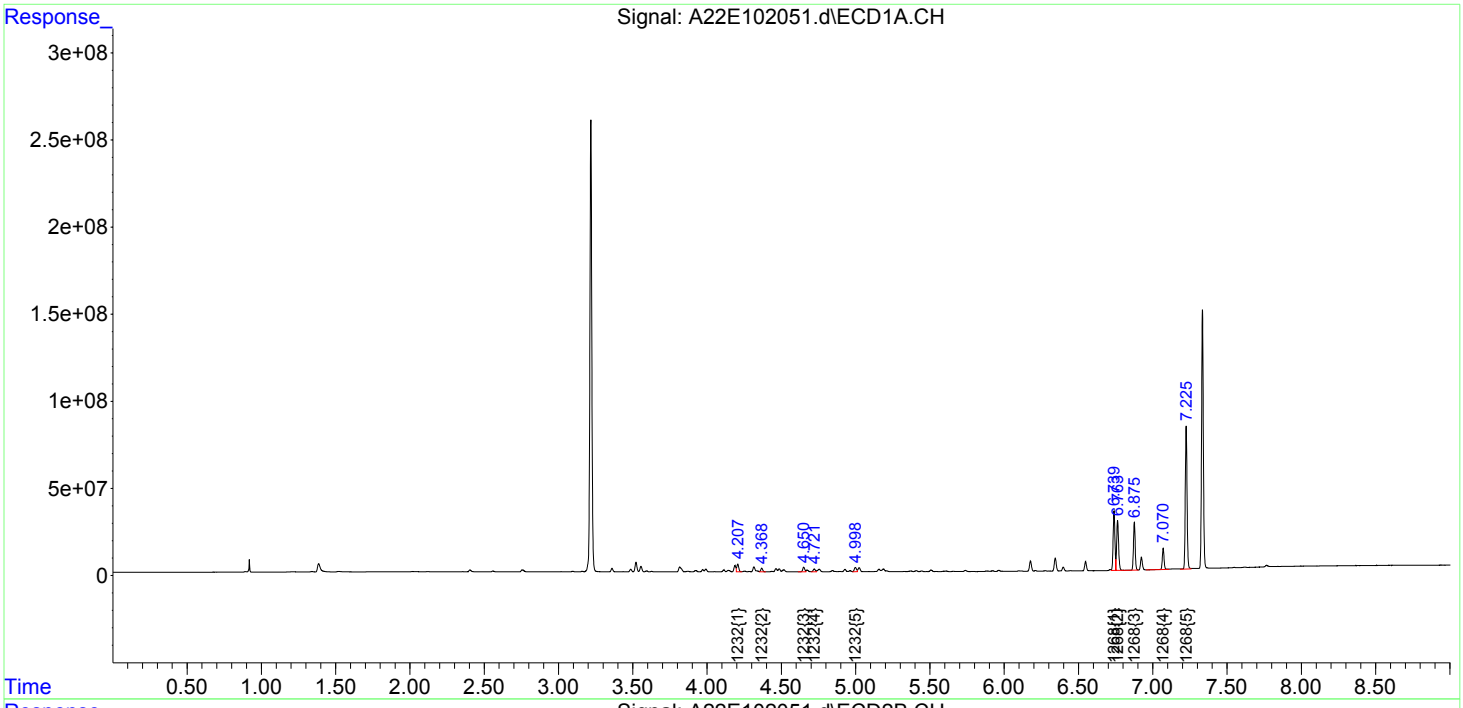
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

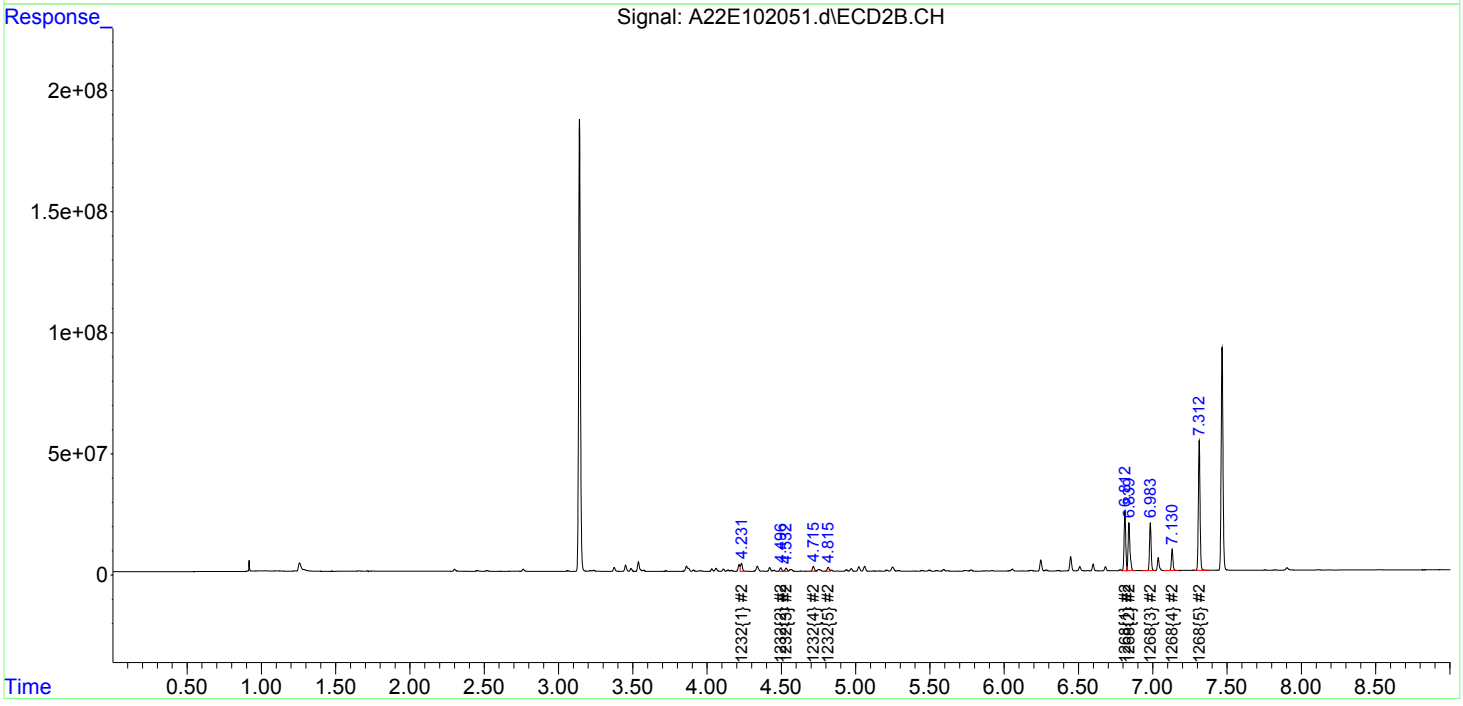
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102051.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:36 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3196

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:19 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:18 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102052.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:49 pm
Operator : JMB
Sample : 1232/1268 200 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:20 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	4.207	4.232	80511317	54792513	182.791	174.570
29) L3	1232{2}	4.369	4.496	36960161	24133540	181.915	173.320
30) L3	1232{3}	4.651	4.532	48133657	24583359	188.576	185.573
31) L3	1232{4}	4.722	4.716	29944197	34789456	181.226	171.659

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102052.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:49 pm
Operator : JMB
Sample : 1232/1268 200 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:20 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	4.999	4.816	47675643	31245325	174.785	184.369
	Sum 1232			243.2E6	169.5E6	909.293	889.491
Average	1232					181.859	177.898
33)	L9 1268{1}	6.740	6.812	556.6E6	363.3E6	187.275	176.170
34)	L9 1268{2}	6.763	6.840	519.2E6	333.9E6	185.146	173.893
35)	L9 1268{3}	6.876	6.983	439.0E6	290.9E6	183.261	177.431
36)	L9 1268{4}	7.070	7.131	188.0E6	121.8E6	149.321	155.889
37)	L9 1268{5}	7.225	7.313	1371.1E6	835.3E6	181.898	181.534
	Sum 1268			3074.0E6	1945.3E6	886.900	864.916
Average	1268					177.380	172.983
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

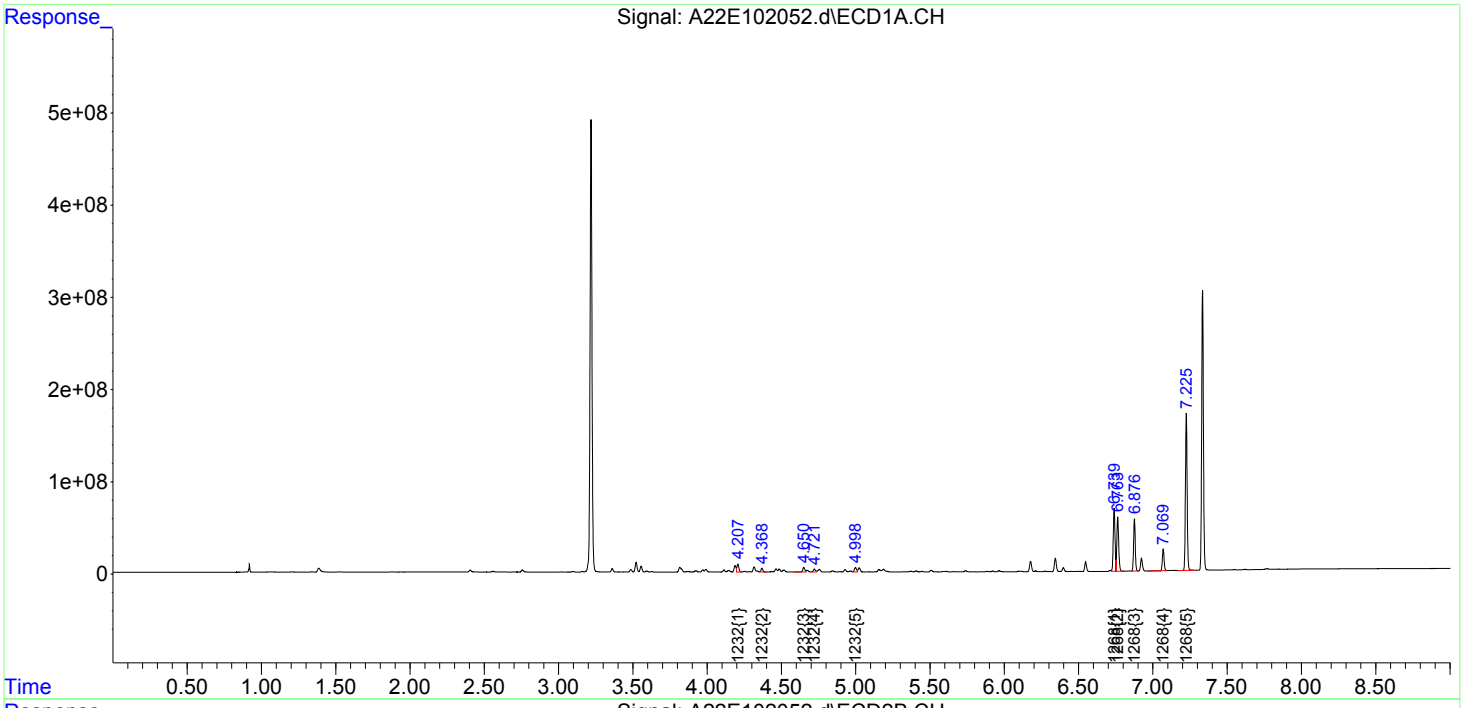
Quantitation Report (Not Reviewed)

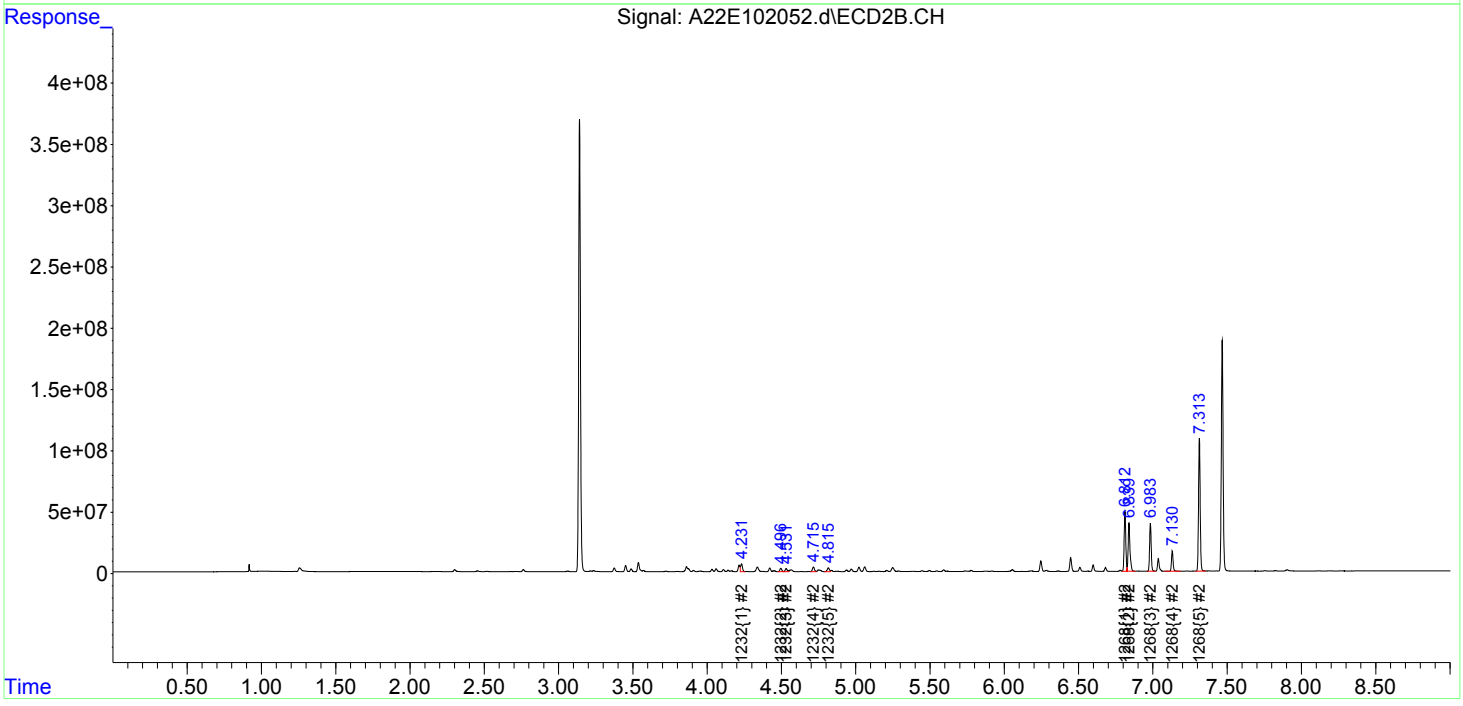
3199

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102052.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 22:49 pm
Operator : JMB
Sample : 1232/1268 200 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:20 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:20 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102053.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:03 pm
Operator : JMB
Sample : 1232/1268 500 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3200

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	4.207	4.232	188.0E6	125.4E6	434.394	410.010
29) L3	1232{2}	4.368	4.496	85135069	52925371	426.746	390.514
30) L3	1232{3}	4.650	4.533	108.5E6	53835043	430.038	412.334
31) L3	1232{4}	4.722	4.716	68027804	77607933	419.590	394.104

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102053.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:03 pm
Operator : JMB
Sample : 1232/1268 500 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3201

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	4.998	4.816	108.4E6	70103657	407.646	420.229
	Sum 1232			558.1E6	379.9E6	2118.414	2027.191
Average	1232					423.683	405.438
33)	L9 1268{1}	6.740	6.812	1330.4E6	839.9E6	453.366	417.195
34)	L9 1268{2}	6.763	6.840	1242.0E6	776.4E6	449.564	415.190
35)	L9 1268{3}	6.876	6.983	1051.0E6	676.7E6	446.182	422.224
36)	L9 1268{4}	7.070	7.130	439.4E6	276.4E6	367.590	370.174
37)	L9 1268{5}	7.226	7.312	3342.3E6	1950.3E6	451.567	431.803
	Sum 1268			7405.0E6	4519.7E6	2168.269	2056.586
Average	1268					433.654	411.317
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D. d	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

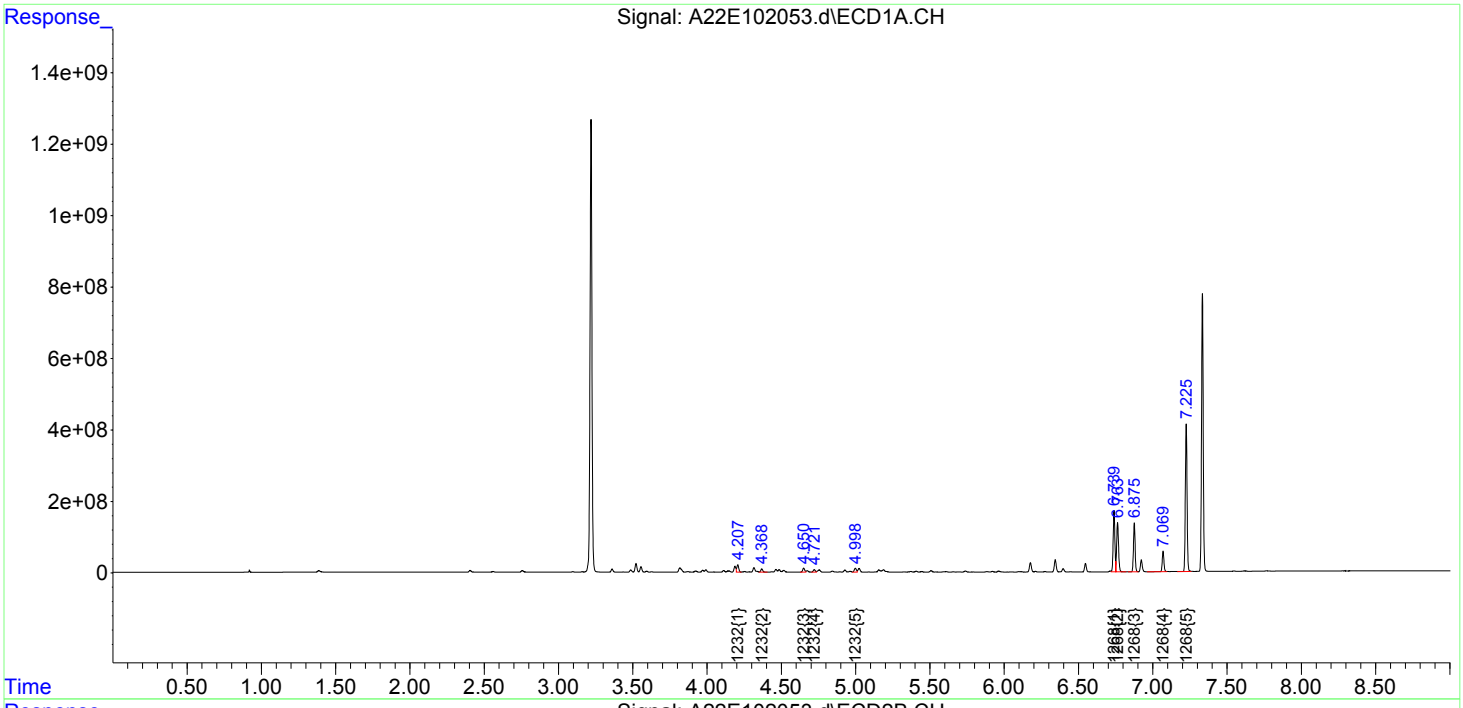
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

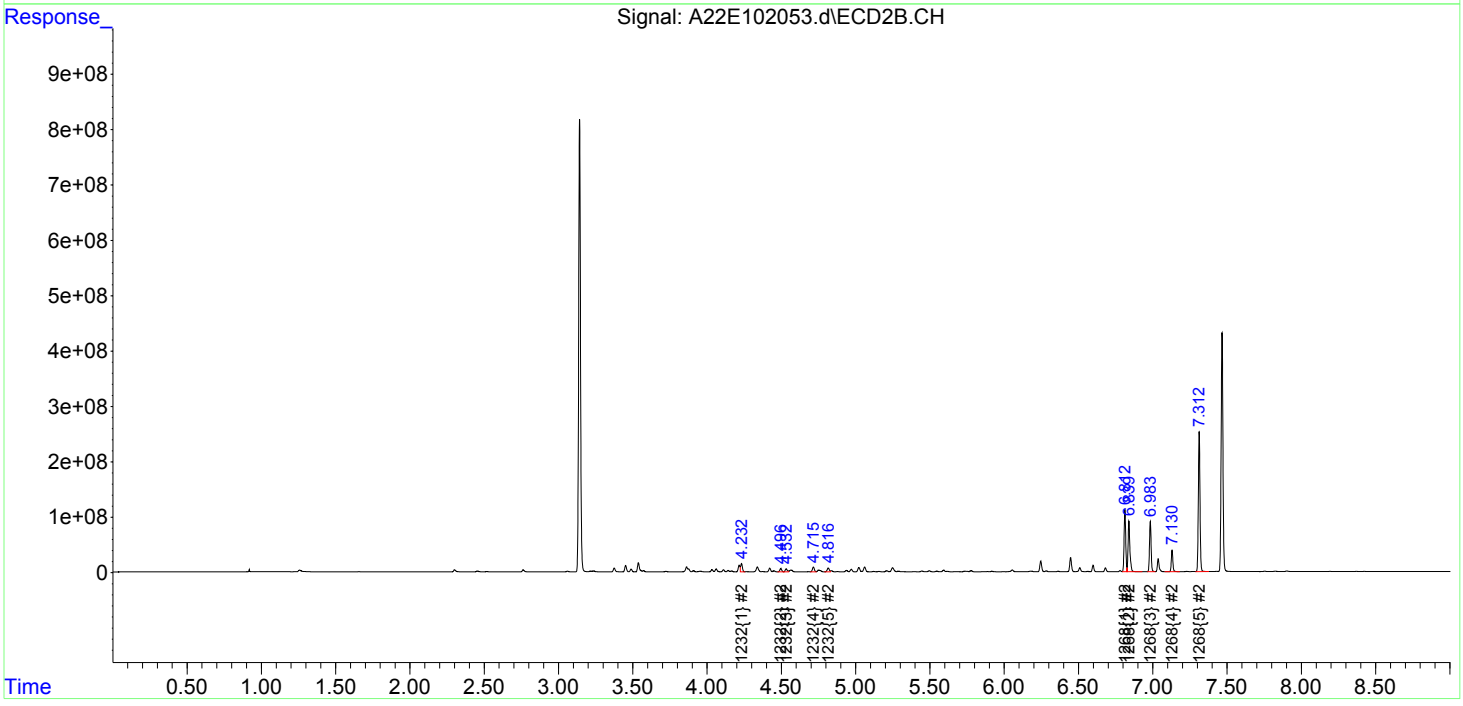
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102053.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:03 pm
Operator : JMB
Sample : 1232/1268 500 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3202

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:06:22 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:06:21 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3203

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102055.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:29 pm
Operator : JMB
Sample : ICV STD 32/68 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:14:58 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D.
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	4.208	4.233	42754305	29232381	100.976	98.520
29) L3	1232{2}	4.369	4.497	19776163	11395990	101.611	87.271
30) L3	1232{3}	4.651	4.534	23640776	12336496	95.926	97.332
31) L3	1232{4}	4.722	4.717	15191155	17034458	96.278	89.669

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102055.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:29 pm
Operator : JMB
Sample : ICV STD 32/68 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3204

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:14:58 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	4.998	4.817	23601310	15722814	91.583	96.823
Sum	1232			125.0E6	85722138	486.374	469.616
Average	1232					97.275	93.923
33)	L9 1268{1}	6.739	6.812	283.1E6	189.6E6	98.000	96.860
34)	L9 1268{2}	6.763	6.840	263.9E6	175.0E6	97.162	96.314
35)	L9 1268{3}	6.876	6.983	223.1E6	150.8E6	96.445	96.613
36)	L9 1268{4}	7.070	7.130	100.8E6	62608256	95.374	89.248
37)	L9 1268{5}	7.225	7.313	705.4E6	434.8E6	98.854	98.503
Sum	1268			1576.3E6	1012.9E6	485.835	477.537
Average	1268					97.167	95.507
38)	L2 1221{1}	0.000	0.000	0	0	N.D. d	N.D. d
39)	L2 1221{2}	0.000	0.000	0	0	N.D. d	N.D. d
40)	L2 1221{3}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	0.000	0.000	0	0	N.D.	N.D. d
42)	L8 1262{2}	0.000	0.000	0	0	N.D. d	N.D. d
43)	L8 1262{3}	0.000	0.000	0	0	N.D. d	N.D. d
44)	L8 1262{4}	0.000	0.000	0	0	N.D. d	N.D. d
45)	L8 1262{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

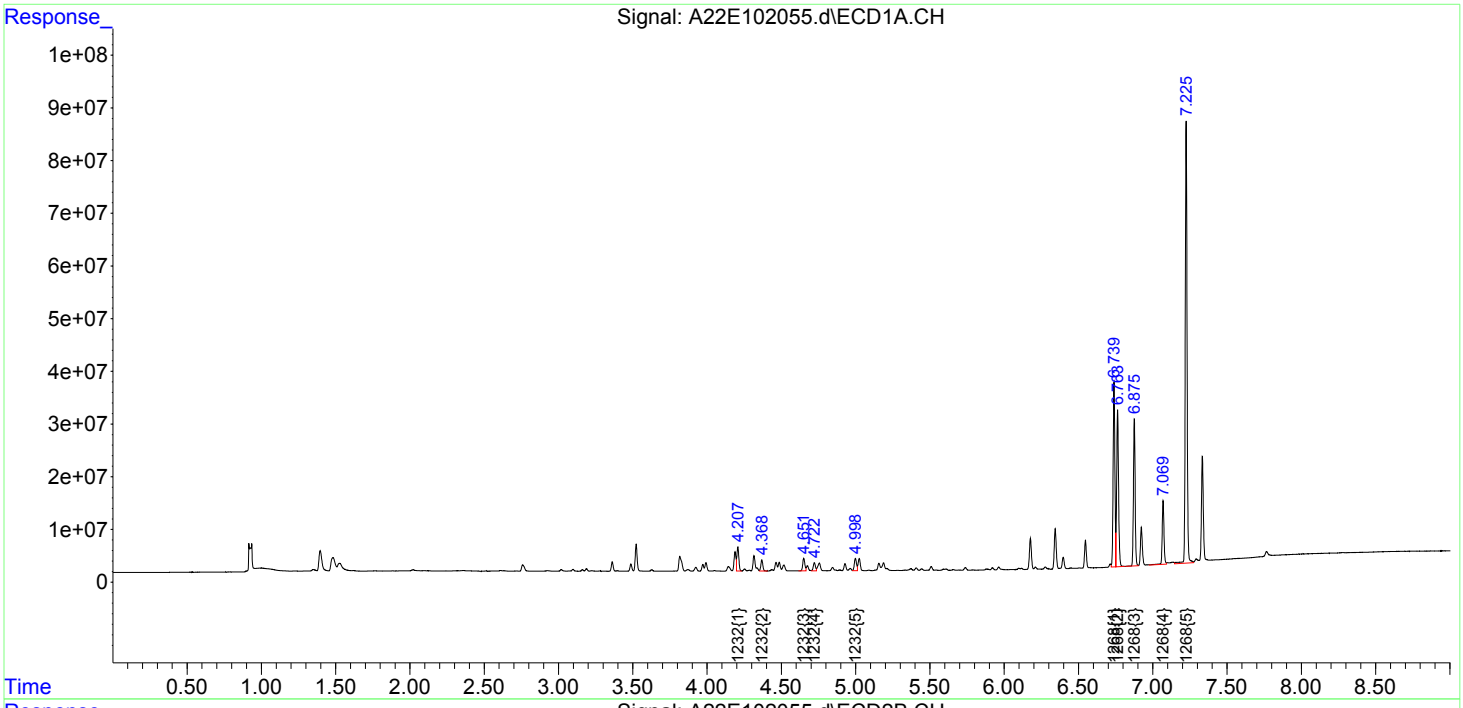
Quantitation Report (Not Reviewed)

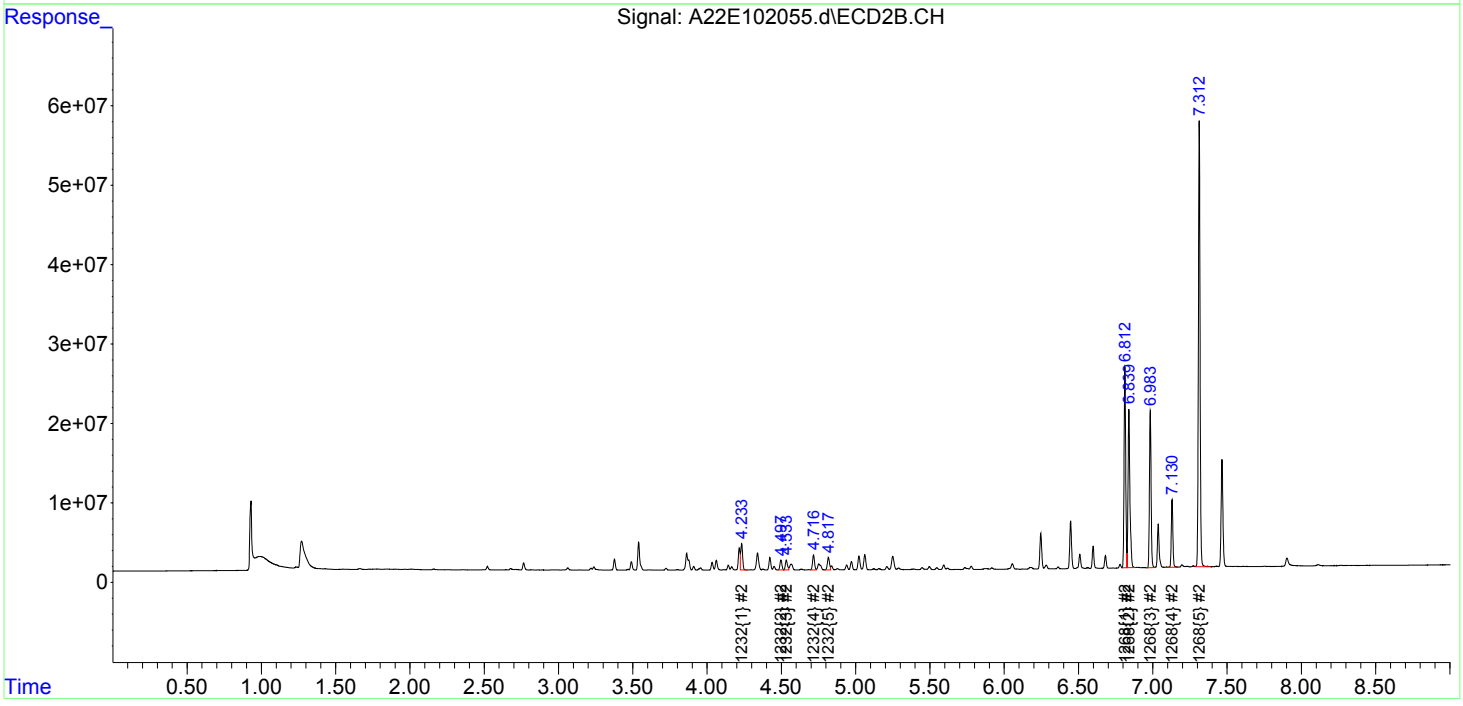
3205

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102055.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:29 pm
Operator : JMB
Sample : ICV STD 32/68 Inst : ECD1
Misc : mix[l3,l9]
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:14:58 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:36 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3206

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102057.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:56 pm
Operator : JMB
Sample : 1221/1262 10 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:27 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D.	N.D.
4) L1	1016{2}	0.000	0.000	0	0	N.D.	N.D.
5) L1	1016{3}	0.000	0.000	0	0	N.D.	N.D.
6) L1	1016{4}	0.000	0.000	0	0	N.D.	N.D.
7) L1	1016{5}	0.000	0.000	0	0	N.D.	N.D.
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D.
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D.	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D.	N.D.
19) L5	1248{2}	0.000	0.000	0	0	N.D.	N.D.
20) L5	1248{3}	0.000	0.000	0	0	N.D.	N.D.
21) L5	1248{4}	0.000	0.000	0	0	N.D.	N.D.
22) L5	1248{5}	0.000	0.000	0	0	N.D.	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D.	N.D.
24) L4	1242{2}	0.000	0.000	0	0	N.D.	N.D.
25) L4	1242{3}	0.000	0.000	0	0	N.D.	N.D.
26) L4	1242{4}	0.000	0.000	0	0	N.D.	N.D.
27) L4	1242{5}	0.000	0.000	0	0	N.D.	N.D.
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D.	N.D.
29) L3	1232{2}	0.000	0.000	0	0	N.D.	N.D.
30) L3	1232{3}	0.000	0.000	0	0	N.D.	N.D.
31) L3	1232{4}	0.000	0.000	0	0	N.D.	N.D.

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102057.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:56 pm
Operator : JMB
Sample : 1221/1262 10 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:27 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	3.360	3.374	3041044	2265670	NoCal	NoCal
39)	L2 1221{2}	3.487	3.488	1922336	1516429	NoCal	NoCal
40)	L2 1221{3}	3.522	3.537	7180292	4978961	NoCal	NoCal
	Sum 1221			0	0	N.D.	N.D.
Average	1221					0.000	0.000
41)	L8 1262{1}	5.541	5.752	6388407	8367776	NoCal	NoCal
42)	L8 1262{2}	5.657	5.917	10572651	8751000	NoCal	NoCal
43)	L8 1262{3}	6.177	6.246	16699798	11969970	NoCal	NoCal
44)	L8 1262{4}	6.349	6.445	15199613	11819466	NoCal	NoCal
45)	L8 1262{5}	6.547	6.598	27910909	19767964	NoCal	NoCal
	Sum 1262			0	0	N.D.	N.D.
Average	1262					0.000	0.000

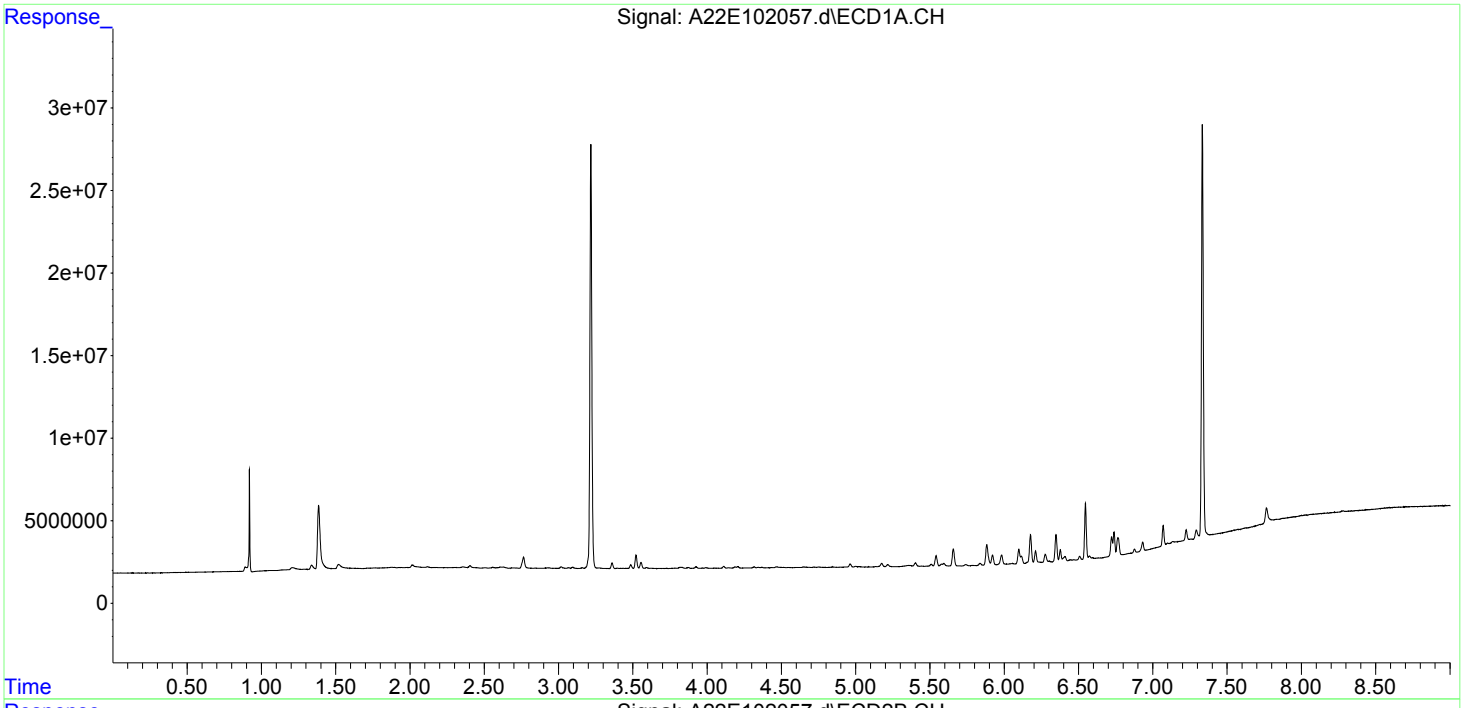
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

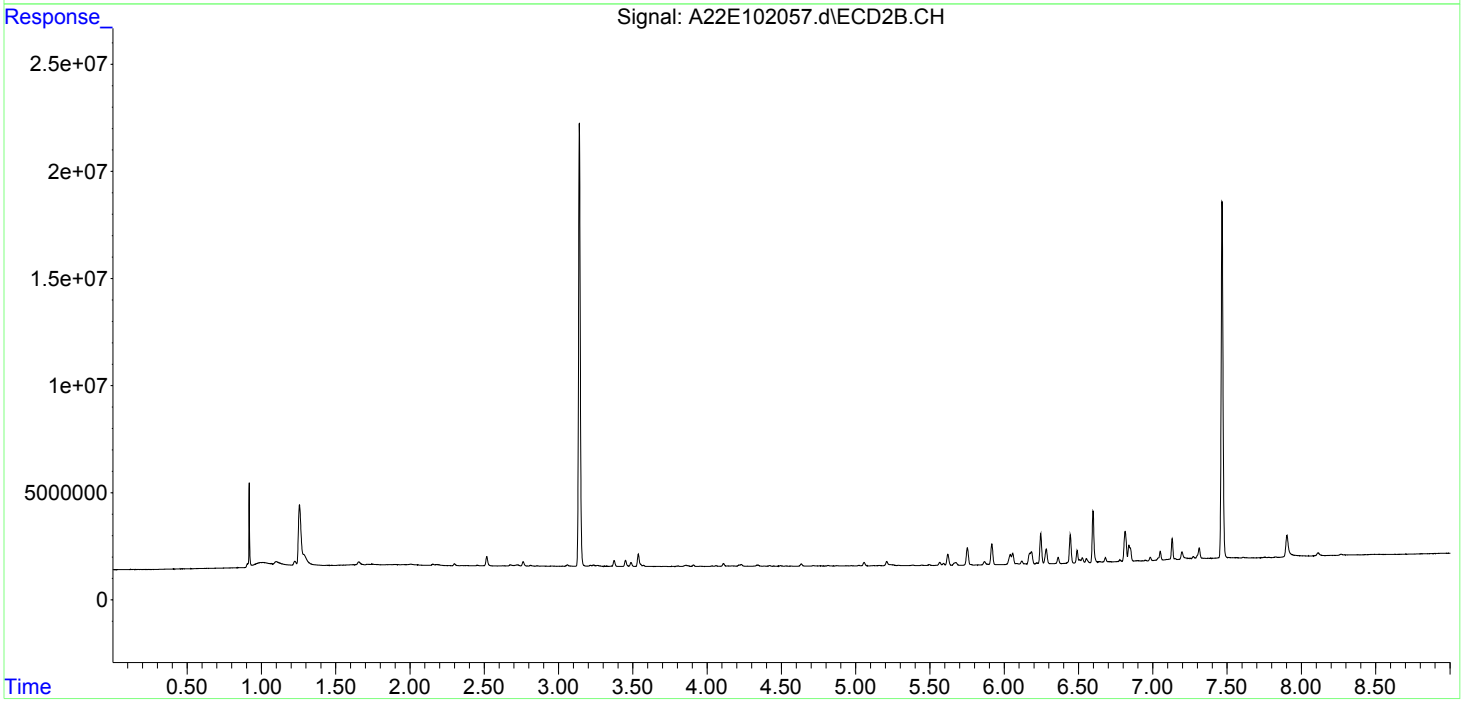
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102057.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Apr 2022 23:56 pm
Operator : JMB
Sample : 1221/1262 10 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3208

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:27 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3209

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102058.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:09 am
Operator : JMB
Sample : 1221/1262 20 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 58 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:29 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:28 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D.	N.D.
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D.
6) L1	1016{4}	0.000	0.000	0	0	N.D.	N.D.
7) L1	1016{5}	0.000	0.000	0	0	N.D.	N.D.
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D.
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D.	N.D.
19) L5	1248{2}	0.000	0.000	0	0	N.D.	N.D.
20) L5	1248{3}	0.000	0.000	0	0	N.D.	N.D.
21) L5	1248{4}	0.000	0.000	0	0	N.D.	N.D.
22) L5	1248{5}	0.000	0.000	0	0	N.D.	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D.	N.D.
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D.
26) L4	1242{4}	0.000	0.000	0	0	N.D.	N.D.
27) L4	1242{5}	0.000	0.000	0	0	N.D.	N.D.
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D.	N.D.
30) L3	1232{3}	0.000	0.000	0	0	N.D.	N.D.
31) L3	1232{4}	0.000	0.000	0	0	N.D.	N.D.

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102058.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:09 am
Operator : JMB
Sample : 1221/1262 20 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 58 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3210

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:29 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:28 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	3.361	3.375	5671471	4287748	18.650	18.925
39)	L2 1221{2}	3.486	3.489	3700731	2863917	19.251	18.886
40)	L2 1221{3}	3.522	3.538	13551134	9300607	18.873	18.680
	Sum 1221			22923337	16452272	56.774	56.491
Average	1221					18.925	18.830
41)	L8 1262{1}	5.542	5.752	12314002	13464141	19.276	16.090
42)	L8 1262{2}	5.658	5.917	19723776	16486335	18.655	18.839
43)	L8 1262{3}	6.177	6.246	31390013	22278187	18.797	18.612
44)	L8 1262{4}	6.349	6.445	28330533	21103774	18.639	17.855
45)	L8 1262{5}	6.547	6.598	53201011	36565223	19.061	18.497
	Sum 1262			145.0E6	109.9E6	94.428	89.894
Average	1262					18.886	17.979

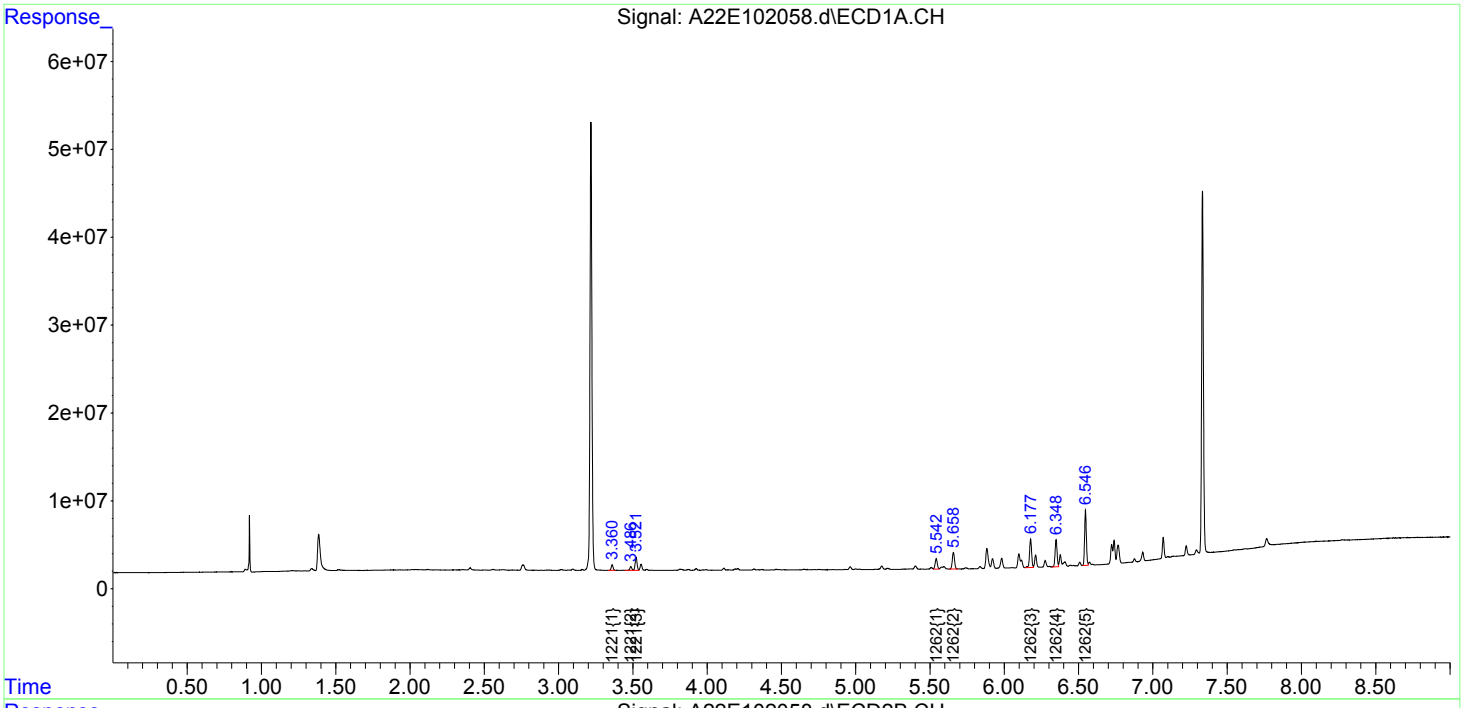
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

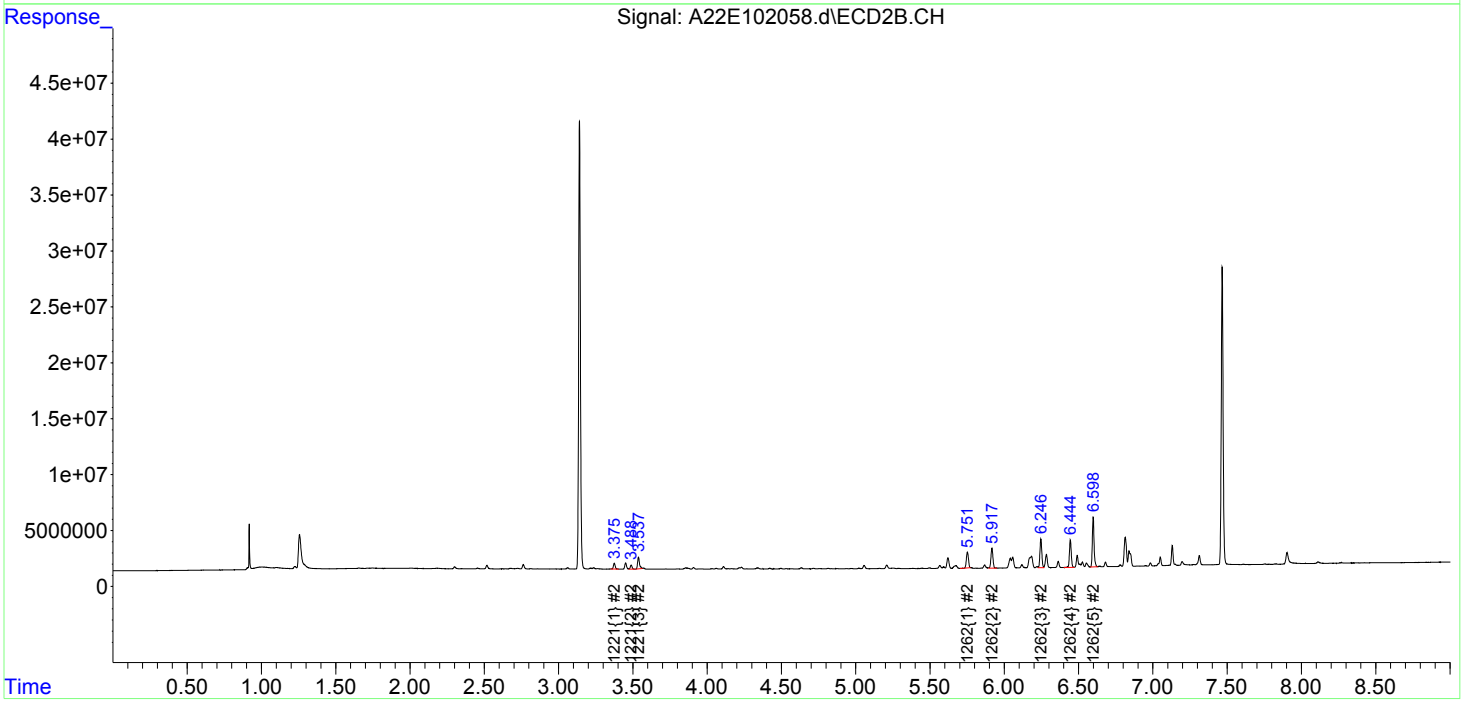
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102058.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:09 am
Operator : JMB
Sample : 1221/1262 20 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 58 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3211

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:29 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:28 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102059.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:22 am
Operator : JMB
Sample : 1221/1262 50 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3212

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:30 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:29 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D.
31) L3	1232{4}	0.000	0.000	0	0	N.D.	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102059.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:22 am
Operator : JMB
Sample : 1221/1262 50 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3213

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:30 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:29 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	3.361	3.375	13461952	10470287	45.814	47.489
39)	L2 1221{2}	3.487	3.488	9083162	6857121	48.152	46.514
40)	L2 1221{3}	3.522	3.537	32029894	23605091	45.902	49.028
	Sum 1221			54575008	40932499	139.868	143.031
Average	1221					46.623	47.677
41)	L8 1262{1}	5.542	5.752	29582578	34356428	47.161	45.506
42)	L8 1262{2}	5.657	5.917	47227644	37911678	46.223	44.617
43)	L8 1262{3}	6.177	6.245	75161088	51356814	46.403	44.447
44)	L8 1262{4}	6.348	6.444	67556848	48709388	46.012	43.546
45)	L8 1262{5}	6.546	6.597	129.5E6	86239836	47.526	45.329
	Sum 1262			349.1E6	258.6E6	233.325	223.446
Average	1262					46.665	44.689

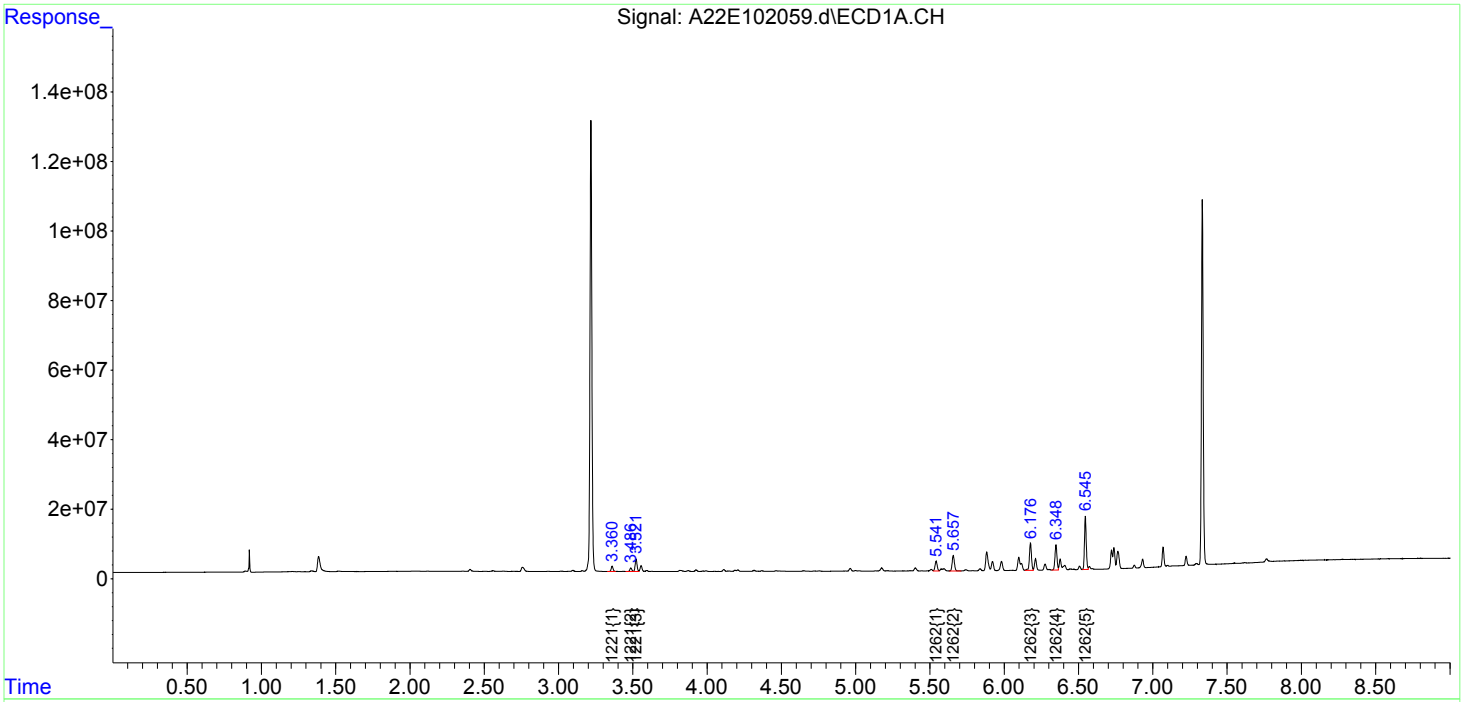
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

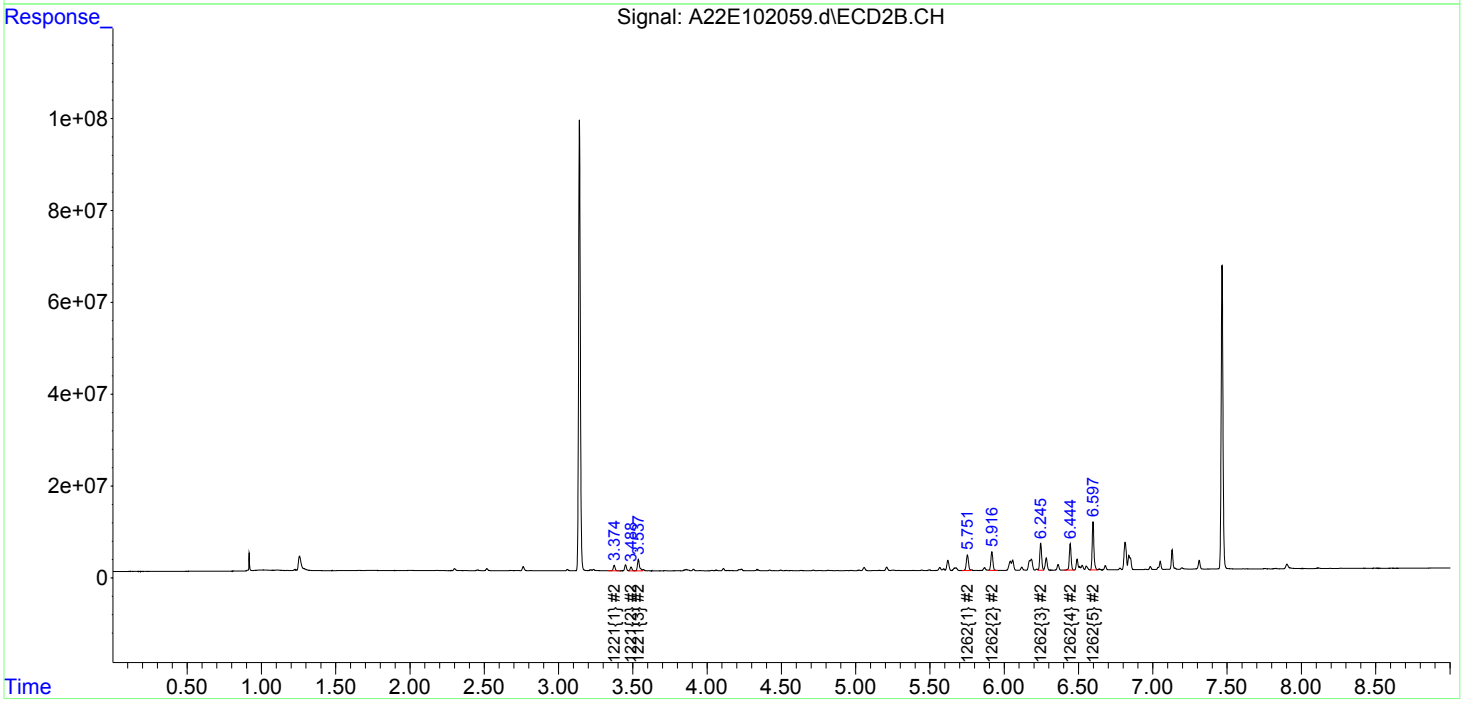
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102059.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:22 am
Operator : JMB
Sample : 1221/1262 50 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3214

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:30 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:29 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102060.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:36 am
Operator : JMB
Sample : 1221/1262 100 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 60 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:32 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:31 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102060.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:36 am
Operator : JMB
Sample : 1221/1262 100 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 60 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:32 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:31 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	3.360	3.375	25975600	19758738	90.939	91.144
39)	L2 1221{2}	3.487	3.489	17248119	12783534	92.577	88.778
40)	L2 1221{3}	3.522	3.538	61087144	44144061	90.002	92.285
	Sum 1221			104.3E6	76686334	273.518	272.207
Average	1221					91.173	90.736
41)	L8 1262{1}	5.542	5.752	57015250	67233056	92.648	91.802
42)	L8 1262{2}	5.658	5.916	90593194	71458727	90.957	87.228
43)	L8 1262{3}	6.177	6.246	146.9E6	97805914	92.924	87.901
44)	L8 1262{4}	6.349	6.445	131.6E6	93121725	92.089	86.994
45)	L8 1262{5}	6.547	6.598	256.6E6	167.1E6	95.741	90.657
	Sum 1262			682.8E6	496.7E6	464.358	444.582
Average	1262					92.872	88.916

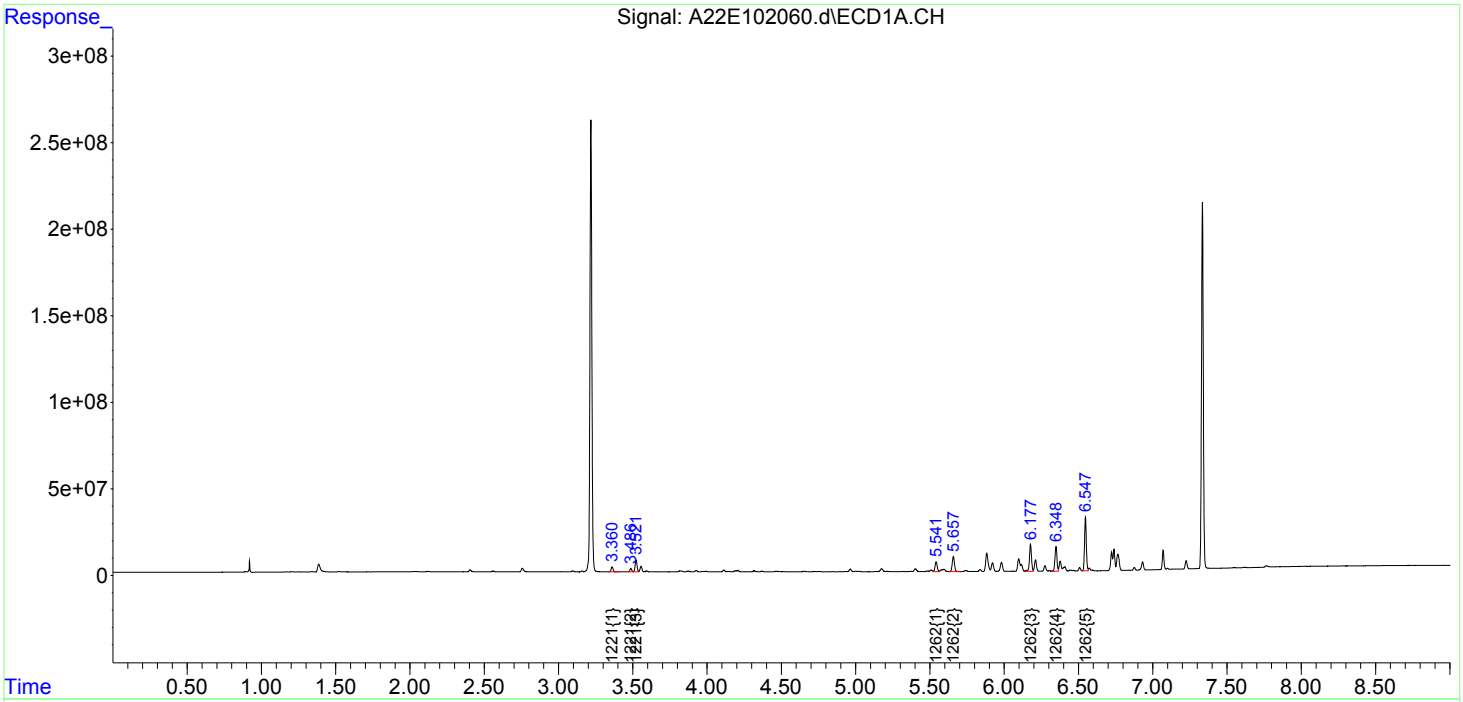
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

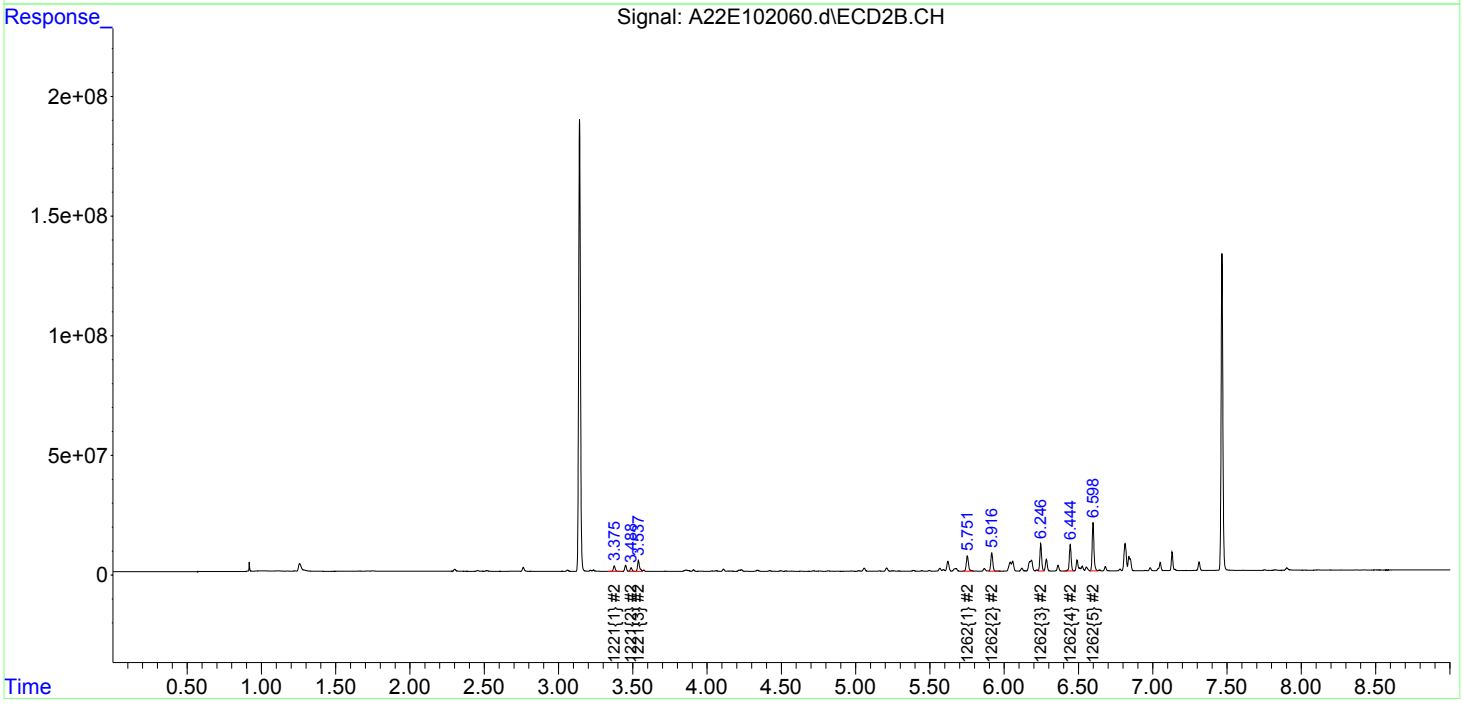
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102060.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:36 am
Operator : JMB
Sample : 1221/1262 100 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 60 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3217

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:32 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:31 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102061.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:49 am
Operator : JMB
Sample : 1221/1262 200 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 61 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:34 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:32 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102061.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:49 am
Operator : JMB
Sample : 1221/1262 200 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 61 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:34 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:32 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	3.360	3.375	51428919	37800387	184.222	178.315
39)	L2 1221{2}	3.487	3.488	33292840	24249086	182.074	173.265
40)	L2 1221{3}	3.522	3.538	118.3E6	84004613	178.715	179.070
	Sum 1221			203.0E6	146.1E6	545.011	530.649
Average	1221					181.670	176.883
41)	L8 1262{1}	5.541	5.752	110.5E6	129.2E6	182.916	180.169
42)	L8 1262{2}	5.657	5.917	176.7E6	136.9E6	181.554	172.568
43)	L8 1262{3}	6.177	6.246	289.1E6	189.3E6	186.161	175.397
44)	L8 1262{4}	6.348	6.445	257.8E6	180.5E6	184.047	174.268
45)	L8 1262{5}	6.547	6.598	513.4E6	327.7E6	193.575	182.015
	Sum 1262			1347.5E6	963.5E6	928.254	884.417
Average	1262					185.651	176.883

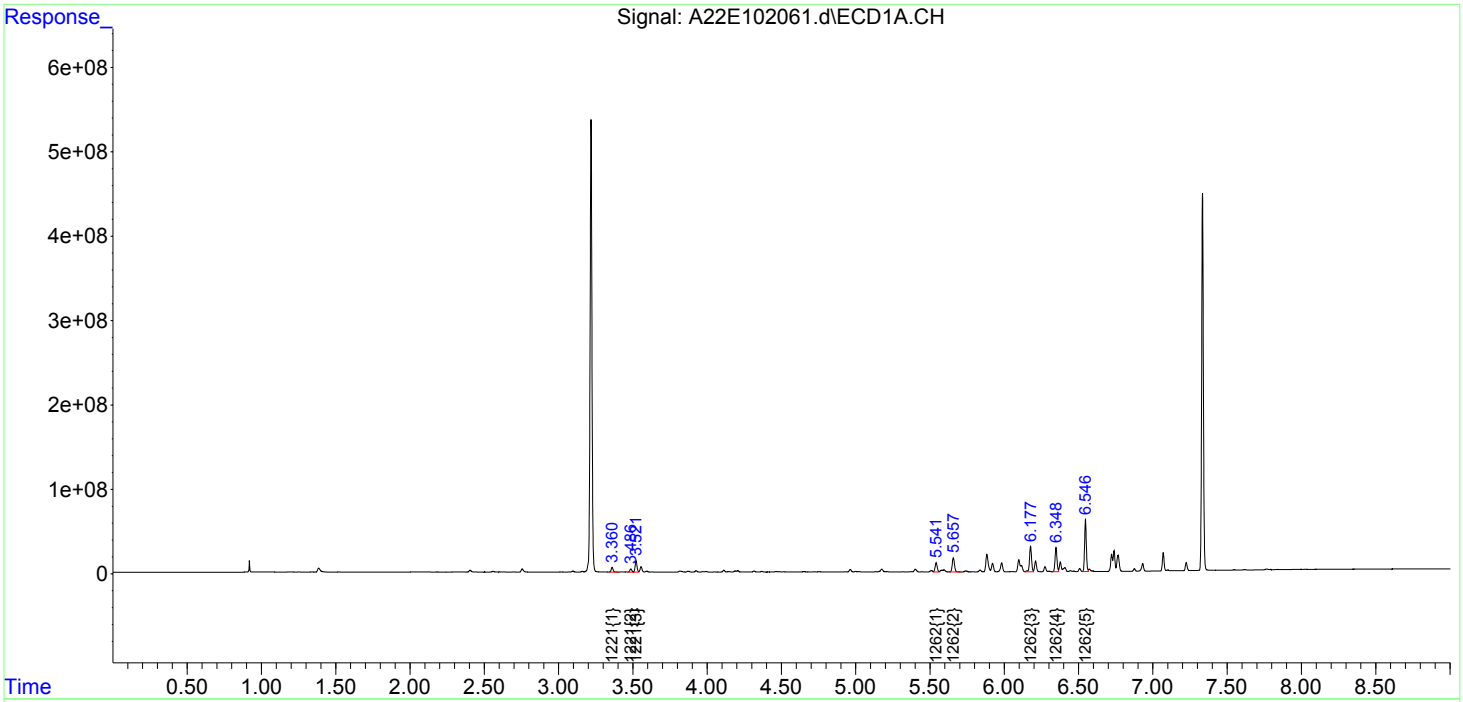
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

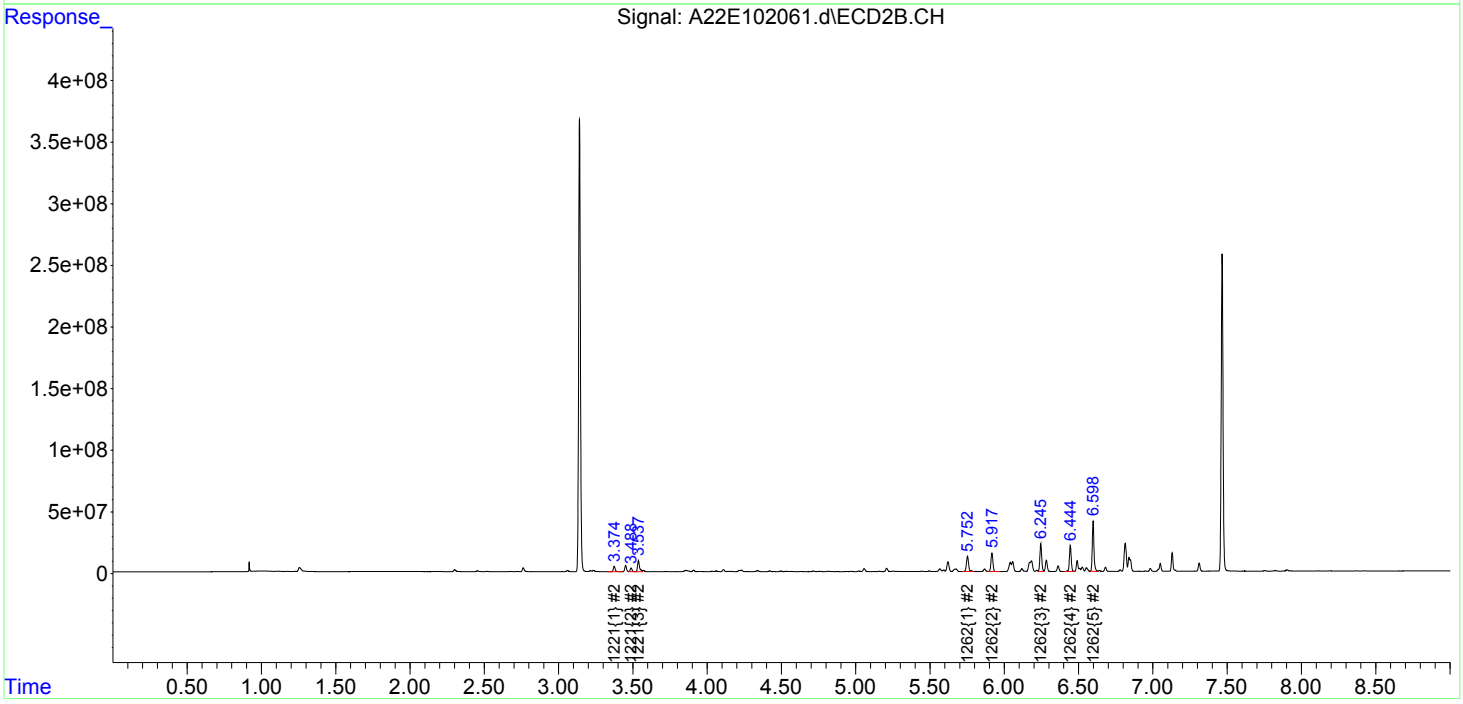
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102061.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 0:49 am
Operator : JMB
Sample : 1221/1262 200 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 61 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3220

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:34 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:32 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

3221

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102062.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 1:02 am
Operator : JMB
Sample : 1221/1262 500 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 62 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:35 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:34 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	Tetrachlo...	0.000	0.000	0	0	N.D. d	N.D. d
2) S	Decachlor...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
3) L1	1016{1}	0.000	0.000	0	0	N.D. d	N.D. d
4) L1	1016{2}	0.000	0.000	0	0	N.D. d	N.D. d
5) L1	1016{3}	0.000	0.000	0	0	N.D. d	N.D. d
6) L1	1016{4}	0.000	0.000	0	0	N.D. d	N.D. d
7) L1	1016{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016			0	0	N.D.	N.D.
Average	1016					0.000	0.000
8) L7	1260{1}	0.000	0.000	0	0	N.D. d	N.D. d
9) L7	1260{2}	0.000	0.000	0	0	N.D. d	N.D. d
10) L7	1260{3}	0.000	0.000	0	0	N.D. d	N.D. d
11) L7	1260{4}	0.000	0.000	0	0	N.D. d	N.D. d
12) L7	1260{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260			0	0	N.D.	N.D.
Average	1260					0.000	0.000
13) L6	1254{1}	0.000	0.000	0	0	N.D. d	N.D. d
14) L6	1254{2}	0.000	0.000	0	0	N.D. d	N.D. d
15) L6	1254{3}	0.000	0.000	0	0	N.D. d	N.D. d
16) L6	1254{4}	0.000	0.000	0	0	N.D. d	N.D. d
17) L6	1254{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254			0	0	N.D.	N.D.
Average	1254					0.000	0.000
18) L5	1248{1}	0.000	0.000	0	0	N.D. d	N.D. d
19) L5	1248{2}	0.000	0.000	0	0	N.D. d	N.D. d
20) L5	1248{3}	0.000	0.000	0	0	N.D. d	N.D. d
21) L5	1248{4}	0.000	0.000	0	0	N.D. d	N.D. d
22) L5	1248{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248			0	0	N.D.	N.D.
Average	1248					0.000	0.000
23) L4	1242{1}	0.000	0.000	0	0	N.D. d	N.D. d
24) L4	1242{2}	0.000	0.000	0	0	N.D. d	N.D. d
25) L4	1242{3}	0.000	0.000	0	0	N.D. d	N.D. d
26) L4	1242{4}	0.000	0.000	0	0	N.D. d	N.D. d
27) L4	1242{5}	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242			0	0	N.D.	N.D.
Average	1242					0.000	0.000
28) L3	1232{1}	0.000	0.000	0	0	N.D. d	N.D. d
29) L3	1232{2}	0.000	0.000	0	0	N.D. d	N.D. d
30) L3	1232{3}	0.000	0.000	0	0	N.D. d	N.D. d
31) L3	1232{4}	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\041222\
Data File : A22E102062.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 1:02 am
Operator : JMB
Sample : 1221/1262 500 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 62 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3222

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:35 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:34 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32)	L3 1232{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232			0	0	N.D.	N.D.
Average	1232					0.000	0.000
33)	L9 1268{1}	0.000	0.000	0	0	N.D. d	N.D. d
34)	L9 1268{2}	0.000	0.000	0	0	N.D. d	N.D. d
35)	L9 1268{3}	0.000	0.000	0	0	N.D. d	N.D. d
36)	L9 1268{4}	0.000	0.000	0	0	N.D. d	N.D. d
37)	L9 1268{5}	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268			0	0	N.D.	N.D.
Average	1268					0.000	0.000
38)	L2 1221{1}	3.361	3.375	119.1E6	85619620	433.553	412.844
39)	L2 1221{2}	3.487	3.488	75594874	54113964	420.964	397.276
40)	L2 1221{3}	3.521	3.537	274.7E6	190.2E6	424.083	414.102
	Sum 1221			469.4E6	329.9E6	1278.600	1224.222
Average	1221					426.200	408.074
41)	L8 1262{1}	5.542	5.752	260.3E6	296.6E6	438.414	421.755
42)	L8 1262{2}	5.656	5.916	416.9E6	315.0E6	436.263	408.446
43)	L8 1262{3}	6.177	6.246	685.8E6	438.6E6	447.796	416.693
44)	L8 1262{4}	6.348	6.444	618.7E6	419.2E6	448.757	415.496
45)	L8 1262{5}	6.546	6.598	1247.2E6	765.9E6	473.307	433.258
	Sum 1262			3228.8E6	2235.3E6	2244.537	2095.649
Average	1262					448.907	419.130

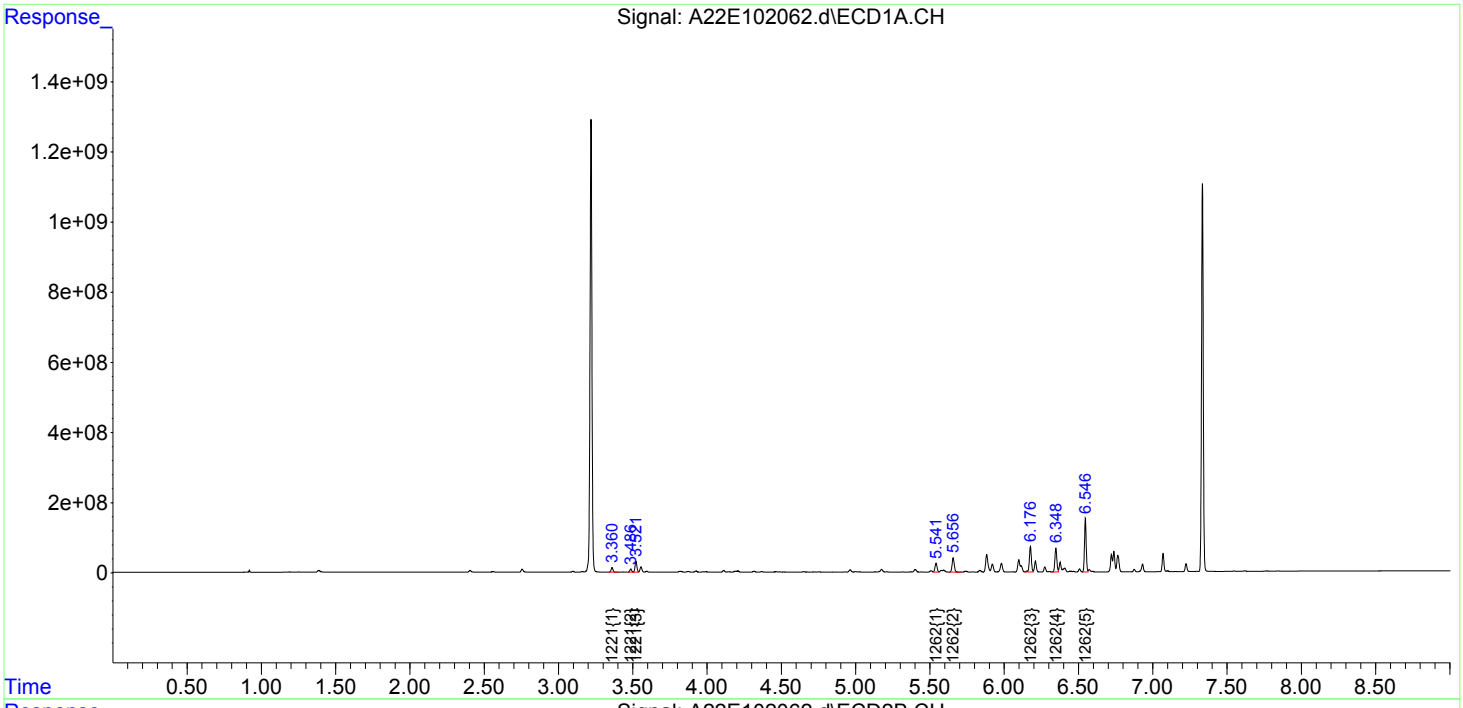
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

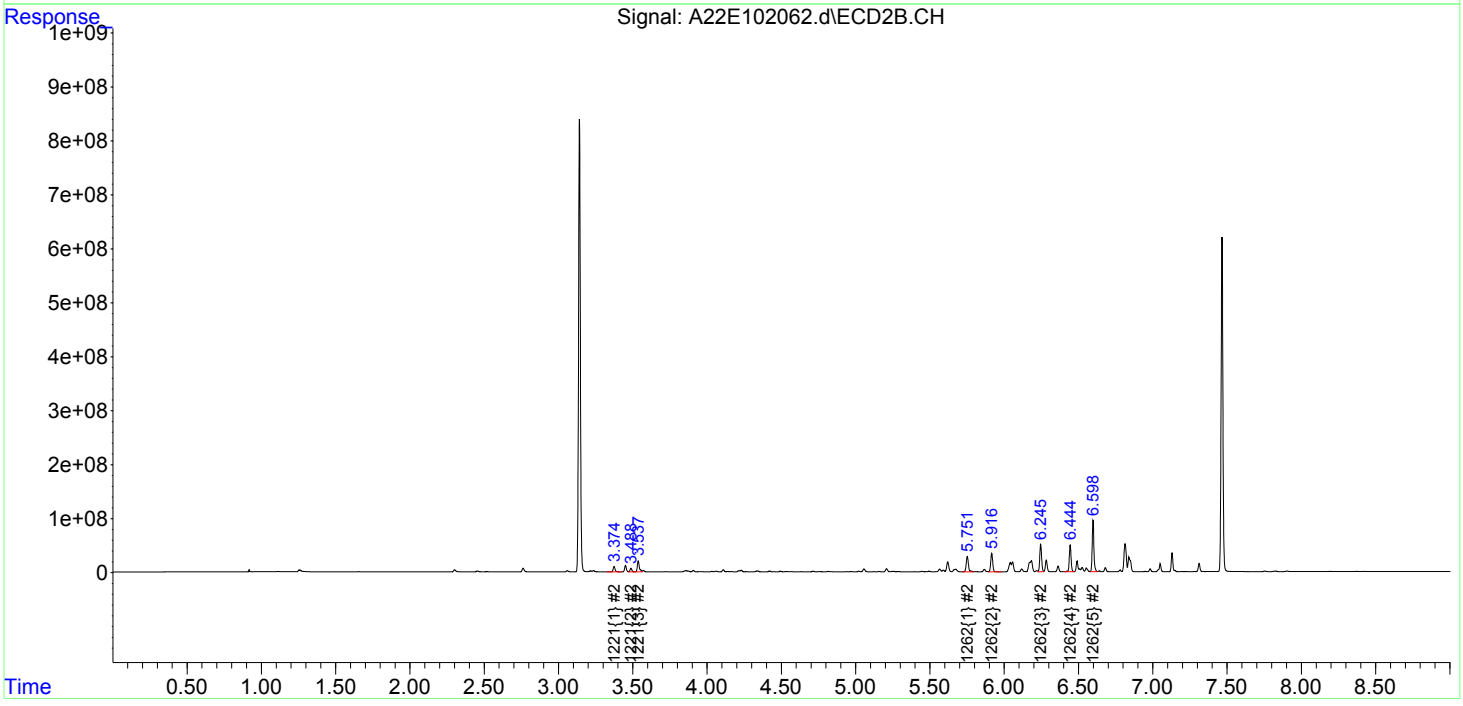
Data Path : C:\msdchem\1\data\041222\
Data File : A22E102062.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2022 1:02 am
Operator : JMB
Sample : 1221/1262 500 Inst : ECD1
Misc : mix[l2,l8]
ALS Vial : 62 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

3223

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 13 10:13:35 2022
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-041222C.M
Quant Title : 60/16-041222 54-0341222 48-041222 42-041222 32/68-0341222 21/62-041222 2200180
QLast Update : Wed Apr 13 10:13:34 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 9	Calibration:	2200139
Lab File ID:	I22E081046.d	Calibration Date:	03/22/22 10:41
Sequence:	S069571	Injection Date:	03/23/22
Lab Sample ID:	S069571-ICV1	Injection Time:	04:36

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Aroclor-1242	A	100	89.1				-10.9	20
Aroclor-1242 (1)	A	100	87.8	749536.2	658204.4		-12.2	20
Aroclor-1242 (2)	A	100	90.4	2362559	2135000		-9.6	20
Aroclor-1242 (3)	A	100	89.2	1725410	1539000		-10.8	20
Aroclor-1242 (4)	A	100	89.0	1016592	904486.5		-11.0	20
Aroclor-1242 (5)	A	100	88.9	846624.7	752909.7		-11.1	20
Aroclor-1242 [2C]	A	100	89.3				-10.7	20
Aroclor-1242 (1) [2C]	A	100	91.4	2839250	2595000		-8.6	20
Aroclor-1242 (2) [2C]	A	100	94.4	8913442	8410000		-5.6	20
Aroclor-1242 (3) [2C]	A	100	90.8	3752783	3408000		-9.2	20
Aroclor-1242 (4) [2C]	A	100	82.9	3467293	2876000		-17.1	20
Aroclor-1242 (5) [2C]	A	100	86.9	4979244	4326000		-13.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 9	Calibration:	2200160
Lab File ID:	I22E091051.d	Calibration Date:	04/01/22 00:00
Sequence:	S069994	Injection Date:	04/07/22
Lab Sample ID:	S069994-ICV1	Injection Time:	13:56

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Aroclor-1221	A	100	93.2				-6.8	20
Aroclor-1221 (1)	A	100	90.9	778538.3	708037		-9.1	20
Aroclor-1221 (2)	A	100	93.9	509927.9	478783.6		-6.1	20
Aroclor-1221 (3)	A	100	94.8	1826391	1732000		-5.2	20
Aroclor-1221 (4)	A	100	0.00					20
Aroclor-1221 (5)	A	100	0.00					20
Aroclor-1221 [2C]	A	100	90.8				-9.2	20
Aroclor-1221 (1) [2C]	A	100	86.6	3003152	2601000		-13.4	20
Aroclor-1221 (2) [2C]	A	100	91.7	2000182	1835000		-8.3	20
Aroclor-1221 (3) [2C]	A	100	94.1	6716032	6320000		-5.9	20
Aroclor-1221 (4) [2C]	A	100	0.00					20
Aroclor-1221 (5) [2C]	A	100	0.00					20
Aroclor-1262	A	100	93.2				-6.8	20
Aroclor-1262 (1)	A	100	91.2	1659158	1513000		-8.8	20
Aroclor-1262 (2)	A	100	91.1	2669922	2431000		-8.9	20
Aroclor-1262 (3)	A	100	93.1	4235414	3941000		-6.9	20
Aroclor-1262 (4)	A	100	95.8	3665692	3511000		-4.2	20
Aroclor-1262 (5)	A	100	94.8	7302438	6923000		-5.2	20
Aroclor-1262 [2C]	A	100	94.2				-5.8	20
Aroclor-1262 (1) [2C]	A	100	89.9	9189100	8264000		-10.1	20
Aroclor-1262 (2) [2C]	A	100	92.3	1.0227E+07	9443000		-7.7	20
Aroclor-1262 (3) [2C]	A	100	95.4	1.275508E+07	1.2169E+07		-4.6	20
Aroclor-1262 (4) [2C]	A	100	95.4	1.175475E+07	1.121E+07		-4.6	20
Aroclor-1262 (5) [2C]	A	100	97.7	2.285112E+07	2.233E+07		-2.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD1	Calibration:	2200180
Lab File ID:	A22E102019.d	Calibration Date:	04/12/22 08:18
Sequence:	S070314	Injection Date:	04/12/22
Lab Sample ID:	S070314-ICV1	Injection Time:	15:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Aroclor-1016	A	100	92.6				-7.4	20
Aroclor-1016 (1)	A	100	91.7	342536.2	314280.7		-8.3	20
Aroclor-1016 (2)	A	100	93.4	1015120	947648.6		-6.6	20
Aroclor-1016 (3)	A	100	91.0	671892.2	611424.2		-9.0	20
Aroclor-1016 (4)	A	100	93.9	453159	425661		-6.1	20
Aroclor-1016 (5)	A	100	92.9	599274	556421.5		-7.1	20
Aroclor-1016 [2C]	A	100	92.5				-7.5	20
Aroclor-1016 (1) [2C]	A	100	92.0	248525.6	228538.7		-8.0	20
Aroclor-1016 (2) [2C]	A	100	92.1	659786.7	607425.3		-7.9	20
Aroclor-1016 (3) [2C]	A	100	93.9	297589	279451.9		-6.1	20
Aroclor-1016 (4) [2C]	A	100	92.0	285722.8	262978.7		-8.0	20
Aroclor-1016 (5) [2C]	A	100	92.6	406278	376363.6		-7.4	20
Aroclor-1260	A	100	92.5				-7.5	20
Aroclor-1260 (1)	A	100	93.7	1172857	1099000		-6.3	20
Aroclor-1260 (2)	A	100	92.4	1725115	1594000		-7.6	20
Aroclor-1260 (3)	A	100	92.5	1060897	981743.7		-7.5	20
Aroclor-1260 (4)	A	100	91.7	1083287	992901		-8.3	20
Aroclor-1260 (5)	A	100	92.4	2250336	2080000		-7.6	20
Aroclor-1260 [2C]	A	100	92.4				-7.6	20
Aroclor-1260 (1) [2C]	A	100	95.3	803628.1	765668.6		-4.7	20
Aroclor-1260 (2) [2C]	A	100	92.4	889565.3	821695.4		-7.6	20
Aroclor-1260 (3) [2C]	A	100	93.4	666782.9	622919.2		-6.6	20
Aroclor-1260 (4) [2C]	A	100	93.7	758929	710977.5		-6.3	20
Aroclor-1260 (5) [2C]	A	100	87.2	1536732	1340000		-12.8	20
Decachlorobiphenyl	A	100	91.8	1.847533E+07	1.6962E+07		-8.2	
Decachlorobiphenyl [2C]	A	100	95.8	1.01754E+07	9752000		-4.2	
Tetrachloro-m-xylene	A	100	97.8	2.229509E+07	2.1816E+07		-2.2	
Tetrachloro-m-xylene [2C]	A	100	92.8	1.519986E+07	1.4102E+07		-7.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD1	Calibration:	2200180
Lab File ID:	A22E102027.d	Calibration Date:	04/12/22 08:18
Sequence:	S070315	Injection Date:	04/12/22
Lab Sample ID:	S070315-ICV1	Injection Time:	17:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Aroclor-1254	A	100	108				7.8	20
Aroclor-1254 (1)	A	100	107	742657.6	792534.9		6.7	20
Aroclor-1254 (2)	A	100	108	774985	840789.1		8.5	20
Aroclor-1254 (3)	A	100	111	1328236	1474000		11.0	20
Aroclor-1254 (4)	A	100	109	968797.4	1058000		9.2	20
Aroclor-1254 (5)	A	100	104	1370972	1423000		3.8	20
Aroclor-1254 [2C]	A	100	101				1.2	20
Aroclor-1254 (1) [2C]	A	100	105	576287.3	604625.5		4.9	20
Aroclor-1254 (2) [2C]	A	100	105	511186.2	535175.5		4.7	20
Aroclor-1254 (3) [2C]	A	100	109	881603.4	963040.6		9.2	20
Aroclor-1254 (4) [2C]	A	100	100	428353	430342.7		0.5	20
Aroclor-1254 (5) [2C]	A	100	86.7	892700.3	774268.4		-13.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD1	Calibration:	2200180
Lab File ID:	A22E102037.d	Calibration Date:	04/12/22 08:18
Sequence:	S070316	Injection Date:	04/12/22
Lab Sample ID:	S070316-ICV1	Injection Time:	19:30

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Aroclor-1248	A	100	99.9				-0.1	20
Aroclor-1248 (1)	A	100	93.6	114911.8	107573.9		-6.4	20
Aroclor-1248 (2)	A	100	99.0	596724	590472.6		-1.0	20
Aroclor-1248 (3)	A	100	101	780802.7	788416.2		1.0	20
Aroclor-1248 (4)	A	100	104	872136	903347		3.6	20
Aroclor-1248 (5)	A	100	102	750274.7	768146.6		2.4	20
Aroclor-1248 [2C]	A	100	95.2				-4.8	20
Aroclor-1248 (1) [2C]	A	100	84.3	91574.49	77211.14		-15.7	20
Aroclor-1248 (2) [2C]	A	100	95.5	423636.1	404627.3		-4.5	20
Aroclor-1248 (3) [2C]	A	100	97.1	543873.9	528185.4		-2.9	20
Aroclor-1248 (4) [2C]	A	100	99.5	571215.8	568508.9		-0.5	20
Aroclor-1248 (5) [2C]	A	100	99.4	649539.2	645813.5		-0.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD1	Calibration:	2200180
Lab File ID:	A22E102046.d	Calibration Date:	04/12/22 08:18
Sequence:	S070317	Injection Date:	04/12/22
Lab Sample ID:	S070317-ICV1	Injection Time:	21:29

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Aroclor-1242	A	100	98.0				-2.0	20
Aroclor-1242 (1)	A	100	95.4	270292.4	257818.9		-4.6	20
Aroclor-1242 (2)	A	100	97.2	782919.7	761092.8		-2.8	20
Aroclor-1242 (3)	A	100	108	539409.1	581817.7		7.9	20
Aroclor-1242 (4)	A	100	93.3	491749.6	458564.2		-6.7	20
Aroclor-1242 (5)	A	100	96.2	456797.6	439467.4		-3.8	20
Aroclor-1242 [2C]	A	100	93.5				-6.5	20
Aroclor-1242 (1) [2C]	A	100	94.3	196790.6	185662.5		-5.7	20
Aroclor-1242 (2) [2C]	A	100	94.2	519945.5	489860.2		-5.8	20
Aroclor-1242 (3) [2C]	A	100	96.4	232600.2	224168.6		-3.6	20
Aroclor-1242 (4) [2C]	A	100	87.3	239735.9	209261.3		-12.7	20
Aroclor-1242 (5) [2C]	A	100	95.2	312746.1	297788.6		-4.8	20
Aroclor-1248	A		0.00					20
Aroclor-1248 (1)	A		0.00	114911.8				20
Aroclor-1248 (2)	A		0.00	596724				20
Aroclor-1248 (3)	A		0.00	780802.7				20
Aroclor-1248 (4)	A		0.00	872136				20
Aroclor-1248 (5)	A		0.00	750274.7				20
Aroclor-1248 [2C]	A		0.00					20
Aroclor-1248 (1) [2C]	A		0.00	91574.49				20
Aroclor-1248 (2) [2C]	A		0.00	423636.1				20
Aroclor-1248 (3) [2C]	A		0.00	543873.9				20
Aroclor-1248 (4) [2C]	A		0.00	571215.8				20
Aroclor-1248 (5) [2C]	A		0.00	649539.2				20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD1	Calibration:	2200180
Lab File ID:	A22E102055.d	Calibration Date:	04/12/22 08:18
Sequence:	S070318	Injection Date:	04/12/22
Lab Sample ID:	S070318-ICV1	Injection Time:	23:29

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Aroclor-1232	A	100	97.3				-2.7	20
Aroclor-1232 (1)	A	100	101	423396.2	427543		1.0	20
Aroclor-1232 (2)	A	100	102	194627	197761.6		1.6	20
Aroclor-1232 (3)	A	100	95.9	246443.7	236407.8		-4.1	20
Aroclor-1232 (4)	A	100	96.3	157783.6	151911.6		-3.7	20
Aroclor-1232 (5)	A	100	91.6	257708.2	236013.1		-8.4	20
Aroclor-1232 [2C]	A	100	93.9				-6.1	20
Aroclor-1232 (1) [2C]	A	100	98.5	296707.8	292323.8		-1.5	20
Aroclor-1232 (2) [2C]	A	100	87.3	130581.3	113959.9		-12.7	20
Aroclor-1232 (3) [2C]	A	100	97.3	126746.5	123365		-2.7	20
Aroclor-1232 (4) [2C]	A	100	89.7	189971.4	170344.6		-10.3	20
Aroclor-1232 (5) [2C]	A	100	96.8	162386.5	157228.1		-3.2	20
Aroclor-1268	A	100	97.2				-2.8	20
Aroclor-1268 (1)	A	100	98.0	2888953	2831000		-2.0	20
Aroclor-1268 (2)	A	100	97.2	2716291	2639000		-2.8	20
Aroclor-1268 (3)	A	100	96.4	2313066	2231000		-3.6	20
Aroclor-1268 (4)	A	100	95.4	1057335	1008000		-4.6	20
Aroclor-1268 (5)	A	100	98.9	7135582	7054000		-1.1	20
Aroclor-1268 [2C]	A	100	95.5				-4.5	20
Aroclor-1268 (1) [2C]	A	100	96.9	1957680	1896000		-3.1	20
Aroclor-1268 (2) [2C]	A	100	96.3	1817089	1750000		-3.7	20
Aroclor-1268 (3) [2C]	A	100	96.6	1561183	1508000		-3.4	20
Aroclor-1268 (4) [2C]	A	100	89.2	701554.7	626082.6		-10.8	20
Aroclor-1268 (5) [2C]	A	100	98.5	4413909	4348000		-1.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	22D1346
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD1	Calibration:	2200180
Lab File ID:	A22E102064.d	Calibration Date:	04/12/22 08:18
Sequence:	S070319	Injection Date:	04/13/22
Lab Sample ID:	S070319-ICV1	Injection Time:	01:29

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Aroclor-1221	A	100	95.0				-5.0	20
Aroclor-1221 (1)	A	100	91.7	268669.6	246370.8		-8.3	20
Aroclor-1221 (2)	A	100	97.9	174844.8	171094.3		-2.1	20
Aroclor-1221 (3)	A	100	95.4	631325.8	602449.7		-4.6	20
Aroclor-1221 (4)	A	100	0.00					20
Aroclor-1221 (5)	A	100	0.00					20
Aroclor-1221 [2C]	A	100	92.1				-7.9	20
Aroclor-1221 (1) [2C]	A	100	88.2	201364.8	177506.5		-11.8	20
Aroclor-1221 (2) [2C]	A	100	94.4	131548.3	124134.4		-5.6	20
Aroclor-1221 (3) [2C]	A	100	93.9	446148.7	418892.8		-6.1	20
Aroclor-1221 (4) [2C]	A	100	0.00					20
Aroclor-1221 (5) [2C]	A	100	0.00					20
Aroclor-1262	A	100	95.4				-4.6	20
Aroclor-1262 (1)	A	100	94.4	581574.1	548839		-5.6	20
Aroclor-1262 (2)	A	100	94.1	935206.5	879793.1		-5.9	20
Aroclor-1262 (3)	A	100	97.0	1504800	1459000		-3.0	20
Aroclor-1262 (4)	A	100	95.6	1355004	1296000		-4.4	20
Aroclor-1262 (5)	A	100	96.2	2611424	2511000		-3.8	20
Aroclor-1262 [2C]	A	100	92.5				-7.5	20
Aroclor-1262 (1) [2C]	A	100	92.4	684774	633005.4		-7.6	20
Aroclor-1262 (2) [2C]	A	100	91.3	747789.6	682944.9		-8.7	20
Aroclor-1262 (3) [2C]	A	100	92.4	1023300	945913		-7.6	20
Aroclor-1262 (4) [2C]	A	100	91.6	980573.4	898220.4		-8.4	20
Aroclor-1262 (5) [2C]	A	100	94.7	1728526	1637000		-5.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

C:\msdchem\1\data\050322\

Date	Filename	Lab ID	Sample Info
3 May 2022 8:02 am	I22E123001.d	ISO	
3 May 2022 8:15 am	I22E123002.d	ISO	
3 May 2022 8:27 am	I22E123003.d	ISO	
3 May 2022 8:40 am	I22E123004.d	1260/1016 100 2203279	mix[s,l1,l7]
3 May 2022 8:52 am	I22E123005.d	1254 100 2204699	mix[l6]
3 May 2022 9:04 am	I22E123006.d	1248 100 2202129	mix[l5]
3 May 2022 9:17 am	I22E123007.d	1242 100 2203444	mix[l4]
3 May 2022 9:29 am	I22E123008.d	1232/1268 100 2112447	mix[l3,l9]
3 May 2022 9:42 am	I22E123009.d	1221/1262 100 2111279	mix[l2,l8]
3 May 2022 9:54 am	I22E123010.d	B307038-BLK1@TBA	
3 May 2022 10:07 am	I22E123011.d	B307038-MRL1	mix[s,l1,l7]
3 May 2022 10:19 am	I22E123012.d	B307038-MRL2	mix[s,l1,l7]
3 May 2022 10:32 am	I22E123013.d	B307038-MRL3	mix[s,l6]
3 May 2022 10:44 am	I22E123014.d	B307038-MRL4	mix[s,l6]
3 May 2022 10:57 am	I22E123015.d	B307038-MRL5	mix[s,l5]
3 May 2022 11:09 am	I22E123016.d	B307038-MRL6	mix[s,l5]
3 May 2022 11:22 am	I22E123017.d	B307038-MRL7	mix[s,l4]
3 May 2022 11:34 am	I22E123018.d	B307038-MRL8	mix[s,l4]
3 May 2022 11:46 am	I22E123019.d	B307038-MRL9	mix[s,l3,l9]
3 May 2022 11:59 am	I22E123020.d	B307038-MRLA	mix[s,l3,l9]
3 May 2022 12:11 pm	I22E123021.d	B307038-MRLB@TBA	mix[s,l2,l8]
3 May 2022 12:24 pm	I22E123022.d	B307038-MRLC@TBA	mix[s,l2,l8]
3 May 2022 12:36 pm	I22E123023.d	22C1957-01@200X TBA	
3 May 2022 12:54 pm	I22E123024.d	B306232-BLK1@TBA	
3 May 2022 1:11 pm	I22E123025.d	B306232-BS1@TBA	mix[s,l1,l7]
3 May 2022 1:24 pm	I22E123026.d	B306232-BSD1@TBA	mix[s,l1,l7]
3 May 2022 1:36 pm	I22E123027.d	22D1346-03	
3 May 2022 1:49 pm	I22E123028.d	22D1346-04	
3 May 2022 2:01 pm	I22E123029.d	22D1346-05	
3 May 2022 2:14 pm	I22E123030.d	ISO	
3 May 2022 2:26 pm	I22E123031.d	ISO	
3 May 2022 2:39 pm	I22E123032.d	1260/1016 100	mix[s,l1,l7]

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Queensbury, NY
Pace/Con-test SDG#22D1653
August 24, 2022
Reissued July 14, 2023
Sampling date: 4/21, 22/2022

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued May 14, 2023) for TRC Environmental Corporation, project located at Queensbury, NY, Pace/Con-test SDG#22D1653 submitted to Vali-Data of WNY, LLC on August 12, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(6/2021) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Perfluorinated Hydrocarbons (SOP-454), Pesticide (8081B), PCB (8082A), Herbicide (8151A), Inorganics/Mercury (6010D, 7470A) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	QNSB-FNCH-MW-4D	22D1653-01
2	QNSB-FNCH-MW-4E	22D1653-02
3	QNSB-FNCH-MW-3AR	22D1653-03
4	QNSB-FNCH-MW-B	22D1653-04
5	QNSB-FNCH-WS-01	22D1653-05
6	Duplicate	22D1653-06
7	QNSB-WC-01	22D1653-07
8	QNSB-WS-01	22D1653-08

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with

the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits, high in the laboratory control sample and laboratory control samples duplicate and should be qualified as estimated. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD
All criteria were met except the %Rec of several target analytes were outside QC limits, high in DUSR ID#1MS/MSD and should be qualified as estimated. These target analytes were not detected in the associated sample, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION

All criteria were met except the RRF of several target analytes were outside QC limits in the initial calibration and/or the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV instrument	Target Analyte	Qualifier	Associated Sample
ICal/ICV GCMSVOA5	Bromodichloromethane	UJ/J	B306907, 1-8, 1MS/MSD
ICal/ICV GCMSVOA5	Chlorodibromomethane	UJ/J	B306907, 1-8, 1MS/MSD
ICal/ICV GCMSVOA5	1,2-Dibromoethane	UJ/J	B306907, 1-8, 1MS/MSD
ICal/ICV GCMSVOA5	1,4-Dioxane	UJ/J	B306907, 1-8, 1MS/MSD
ICal/ICV GCMSVOA5	1,1,2-Trichloroethene	UJ/J	B306907, 1-8, 1MS/MSD
ICal/ICV GCMSVOA5	1,2,3-Trichlorobenzene	UJ/J	B306907, 1-8, 1MS/MSD
ICal/ICV GCMSVOA5	1,2,4-Trichlorobenzene	UJ/J	B306907, 1-8, 1MS/MSD

Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S070900-CCV1	Bromodichloromethane	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	1,2-Dibromoethane	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	1,4-Dioxane	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	1,1,2-Trichloroethene	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	1,2,3-Trichlorobenzene	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	1,2,4-Trichlorobenzene	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	cis-1,3-Dichloropropene	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	1,2-Dichloropropane	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	Bromochloromethane	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	Chlorodibromomethane	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	Trichloroethene	RRF	UJ/J	B306907, 1-8, 1MS/MSD
S070900-CCV1	Bromomethane	62.1	UJ/J	B306907, 1-8, 1MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, high in DUSR ID#1MS. The associated target analytes below, should be qualified as estimated high in DUSR ID #1MS.

2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2,4-Dinitrophenol
4-Nitrophenol	4,6-Dinitro-2-methylphenol	Pentachlorophenol

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated in the associated samples.

LCS/LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B307036	Caprolactam	26.4	25.7	-	UJ	1
B307144	Caprolactam	27.3	26.4	-	UJ	3, 6, 7
B307144	Bis(2-chloroethoxy)methane	-	-	21.4	UJ	3, 6, 7

MS/MSD
All criteria were met except a target analyte was outside QC limits, in the matrix spike and matrix spike duplicate and should be qualified as estimated.

Target Analyte	%Rec 1MS	%Rec 1MSD	RPD	Qualifier	Associated Sample
Caprolactam	28.5	27.1	-	UJ	1

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

Instrument	Target Analyte	%D	Qualifier	Associated Sample
ICV GCMSSV4	Dimethylphthalate	-20.9	UJ/J	B307036, B307144, 1, 3, 6, 7, 1MS/MSD

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S071262-CCV1	Bis(2-chloroisopropyl)ether	-23.8	UJ/J	3, 6, 7
S071365-CCV1	Bis(2-chloroisopropyl)ether	-26.2	UJ/J	1, 1MS/MSD
S071097-CCV1	Bis(2-chloroisopropyl)ether	-37.5	UJ/J	B307144
S071097-CCV1	Bis(2-chloroethyl)ether	-39.6	UJ/J	B307144

GC/MS PERFORMANCE CHECK
All criteria were met.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Internal Standard, Laboratory Control Samples and Continuing Calibration.

Samples: DUSR ID#3, 4 and 6 were rerun due to Internal Standard failure.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the %Rec of M3HFPO-DA was outside QC limits in B307756-BS1 and should be qualified as estimated. The %Rec of M8FOSA, MPFBA, M3PFBS, M5PFPeA, M5PFHxA and M3PFHxS was outside QC limits in B307756-BLK1 should be qualified as estimated. Associated target analytes in these QC samples should be qualified as estimated.

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except PFBS, PFPeA, 6:2FTS, PFOA, PFOS and PFHpA were detected in DUSR ID#3 but were not detected in #6.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
B307756-BS1	F53B Minor	65.4	UJ	3RE, 6RE
B307756-BS1	HFPO-DA	51.2	UJ	3RE, 6RE

MS/MSD
All the criteria were met.
A target analyte was outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S071305-CCV3	F53B Minor	37.3	UJ	4RE

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of alpha-BHC, gamma-BHC and delta-BHC was outside QC limits between the columns and should be qualified as estimated in B307152-BS1.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

Ccal ID	Target Analyte	Column	%D	Qualifier	Associated Sample
S071282-CCV9	Endosulfan I	1	28.9	UJ/J	B307028, 1MS/MSD
S071316-CCV6	Endosulfan I	1	41.0	UJ/J	1
S071316-CCV9	Endosulfan I	1	48.3	UJ/J	1

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.
Some target analytes were outside QC limits off the confirmatory column.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the RPD of 2,4-D was outside QC limits between the columns in DUSR ID#1MS/MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Laboratory Control Samples.

All samples were diluted for target analyte with high concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except some target analytes were detected in the blank above the MDL, below the reporting limit and are qualified as estimated. These target analytes should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
B306658	Cu	.48	JH	3, 6, 7
B306658	Ag	.059	U at RL	None

LABORATORY CONTROL SAMPLE
All criteria were met a target analyte was outside QC limits, high in B307832-BS1/BSD1 and should be qualified as estimated.

Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
Hg	121	122	JH	None

MS/MSD/DUPLICATE
All criteria were met.

FIELD DUPLICATE
All criteria were met except Co, Cu and Ni were detected in DUSR ID#7 but were not detected in #3.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except Cn was detected above the MDL, below the reporting limit and is qualified as estimated in B307045-BLK1. This target analyte should be qualified in the

associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(mg/L)	Qualifier	Associated Sample
B307045	Cn	.0057	U at RL	1, 3, 6, 7

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151 samples were derivatized on 05/03/22

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

For PFAS Isotope: Samples received in bottles containing Trizma
REVISED 06-10-22: RL/MDL added to total xylenes

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SOP-454 PFAS

Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M3PFBS
B307756-BLK1

M3PFHxS
B307756-BLK1

M5PFHxA
B307756-BLK1

M5PFPeA
B307756-BLK1

M8PFOA
B307756-BLK1

MPFBA
B307756-BLK1

PF-18

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

M2-4:2FTS
22D1653-01[QNSB-FNCH-MW-4D], 22D1653-04RE1[QNSB-FNCH-MW-B], B306730-MS1, B306730-MSD1

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-4:2FTS
S071428-CCV2

M3HFPO-DA
B307756-BS1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Major)
S071305-CCV3

SW-846 6010D

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

B306657-MS2

Calcium
22D1653-01[QNSB-FNCH-MW-4D], B306657-MSD2

SW-846 6020B

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Copper
22D1653-06[Duplicate], 22D1653-07[QNSB-WC-01], B306658-BLK1

Silver
22D1653-03[QNSB-FNCH-MW-3AR], B306658-BLK1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

Copper
22D1653-01[QNSB-FNCH-MW-4D]

Silver
22D1653-01[QNSB-FNCH-MW-4D], 22D1653-06[Duplicate], 22D1653-07[QNSB-WC-01]

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Copper
22D1653-03[QNSB-FNCH-MW-3AR]

SW-846 7470A

Qualifications:

L-01

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Mercury
B307832-BS1, B307832-BSD1

SW-846 8081B

Qualifications:

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Dieldrin
B307028-BS1, B307028-BSD1, B307028-MS3, B307028-MSD3

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Endosulfan I
B307028-BS1, B307028-BSD1, B307028-MS3, B307028-MSD3

Endosulfan I [2C]
B307028-BS1, B307028-BSD1, B307028-MS3, B307028-MSD3

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B306907-BS1, B306907-BSD1, B306907-MS2, B306907-MSD2

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromoform
B306907-BS1

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MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B306907-MS2, B306907-MSD2

Chloroethane
B306907-MS2, B306907-MSD2

Trichlorofluoromethane (Freon 11)
B306907-MS2, B306907-MSD2

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromoform
B306907-MSD2

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
B306907-MSD2

1,1-Dichloroethylene
B306907-MSD2

Carbon Disulfide
B306907-MSD2

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromoform
B306907-BS1, B306907-BSD1, B306907-MS2, B306907-MSD2, S070900-CCV1

Bromomethane
B306907-BS1, B306907-BSD1, B306907-MS2, B306907-MSD2, S070900-CCV1

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Caprolactam
22D1653-01[QNSB-FNCH-MW-4D], 22D1653-03[QNSB-FNCH-MW-3AR], 22D1653-06[Duplicate], 22D1653-07[QNSB-WC-01], B307036-BLK1, B307036-BS1, B307036-BSD1, B307036-MS3, B307036-MSD3, B307144-BLK1, B307144-BS1, B307144-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Caprolactam
22D1653-01[QNSB-FNCH-MW-4D], B307036-MS3, B307036-MSD3

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether
22D1653-03[QNSB-FNCH-MW-3AR], 22D1653-06[Duplicate], 22D1653-07[QNSB-WC-01], B307144-BLK1, B307144-BS1, B307144-BSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B307036-MS3

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V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroethyl)ether

B307144-BLK1, B307144-BS1, B307144-BSD1, S071097-CCV1

Bis(2-chloroisopropyl)ether

22D1653-01[QNSB-FNCH-MW-4D], 22D1653-03[QNSB-FNCH-MW-3AR], 22D1653-06[Duplicate], 22D1653-07[QNSB-WC-01], B307036-MS3, B307036-MSD3, B307144-BLK1, B307144-BS1, B307144-BSD1, S071097-CCV1, S071262-CCV1, S071365-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

22D1653-01[QNSB-FNCH-MW-4D], 22D1653-03[QNSB-FNCH-MW-3AR], 22D1653-06[Duplicate], 22D1653-07[QNSB-WC-01], B307036-BLK1, B307036-BS1, B307036-BSD1, B307036-MS3, B307036-MSD3, B307144-BLK1, B307144-BS1, B307144-BSD1, S070338-ICV1, S071097-CCV1, S 071141-CCV1, S071262-CCV1, S071365-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		4/27/22 16:17
Toluene-d8	97.4	70-130		4/27/22 16:17
4-Bromofluorobenzene	98.9	70-130		4/27/22 16:17

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	24	0.66	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Benzaldehyde	ND	12	0.54	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Biphenyl	ND	24	0.50	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Caprolactam	ND	12	0.34	µg/L	1	L-04, MS-09	SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Acenaphthene	ND	6.0	0.63	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Acenaphthylene	ND	6.0	0.58	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Acetophenone	ND	12	0.64	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Anthracene	ND	6.0	0.55	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Benzo(a)anthracene	ND	6.0	0.49	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Benzo(a)pyrene	ND	6.0	0.68	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Benzo(b)fluoranthene	ND	6.0	0.57	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Benzo(g,h,i)perylene	ND	6.0	0.74	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Benzo(k)fluoranthene	ND	6.0	0.59	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Bis(2-chloroethoxy)methane	ND	12	0.55	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Bis(2-chloroethyl)ether	ND	12	0.69	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Bis(2-chloroisopropyl)ether	ND	12	0.83	µg/L	1	V-05	SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Bis(2-Ethylhexyl)phthalate	ND	12	1.0	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
4-Bromophenylphenylether	ND	12	0.56	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Butylbenzylphthalate	ND	12	0.81	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Carbazole	ND	12	0.51	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
4-Chloroaniline	ND	12	0.69	µg/L	1	V-34	SW-846 8270E	4/28/22	5/5/22 23:21	BGL
4-Chloro-3-methylphenol	ND	12	0.67	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2-Chloronaphthalene	ND	12	0.59	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2-Chlorophenol	ND	12	0.57	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
4-Chlorophenylphenylether	ND	12	0.58	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Chrysene	ND	6.0	0.48	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Dibenz(a,h)anthracene	ND	6.0	0.83	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Dibenzofuran	ND	6.0	0.59	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Di-n-butylphthalate	ND	12	0.55	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
3,3-Dichlorobenzidine	ND	12	0.86	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2,4-Dichlorophenol	ND	12	0.58	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Diethylphthalate	ND	12	0.50	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2,4-Dimethylphenol	ND	12	0.85	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Dimethylphthalate	ND	12	0.45	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
4,6-Dinitro-2-methylphenol	ND	12	8.5	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2,4-Dinitrophenol	ND	12	9.7	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2,4-Dinitrotoluene	ND	12	0.74	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2,6-Dinitrotoluene	ND	12	0.62	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Di-n-octylphthalate	ND	12	4.7	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Fluoranthene	ND	6.0	0.52	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Fluorene	ND	6.0	0.63	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Hexachlorobenzene	ND	12	0.61	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Hexachlorobutadiene	ND	12	0.93	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Hexachlorocyclopentadiene	ND	12	4.4	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	12	0.89	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Indeno(1,2,3-cd)pyrene	ND	6.0	0.89	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Isophorone	ND	12	0.66	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2-Methylnaphthalene	ND	6.0	0.83	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2-Methylphenol	ND	12	0.57	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
3/4-Methylphenol	ND	12	0.55	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Naphthalene	ND	6.0	0.74	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2-Nitroaniline	ND	12	0.84	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
3-Nitroaniline	ND	12	0.71	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
4-Nitroaniline	ND	12	0.72	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Nitrobenzene	ND	12	0.75	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2-Nitrophenol	ND	12	0.62	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
4-Nitrophenol	ND	12	2.5	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	12	0.46	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
N-Nitrosodi-n-propylamine	ND	12	0.74	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Pentachlorophenol	ND	12	4.2	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Phenanthrene	ND	6.0	0.58	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Phenol	ND	12	0.27	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
Pyrene	ND	6.0	0.74	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
1,2,4,5-Tetrachlorobenzene	ND	12	0.79	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2,4,5-Trichlorophenol	ND	12	0.62	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL
2,4,6-Trichlorophenol	ND	12	0.54	µg/L	1		SW-846 8270E	4/28/22	5/5/22 23:21	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.2	15-110		5/5/22 23:21
Phenol-d6	35.7	15-110		5/5/22 23:21
Nitrobenzene-d5	80.6	30-130		5/5/22 23:21
2-Fluorobiphenyl	88.8	30-130		5/5/22 23:21
2,4,6-Tribromophenol	97.2	15-110		5/5/22 23:21
p-Terphenyl-d14	82.9	30-130		5/5/22 23:21

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	4/28/22	5/3/22 21:27	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	22.5	15-110			5/3/22 21:27

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	2.3	1.8	0.69	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorobutanesulfonic acid (PFBS)	0.40	1.8	0.26	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoropentanoic acid (PFPeA)	0.78	1.8	0.36	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorohexanoic acid (PFHxA)	0.96	1.8	0.36	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.59	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.36	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.56	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.45	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.41	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.87	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.39	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	0.18	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	0.24	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorooctanoic acid (PFOA)	ND	1.8	0.63	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:16	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.054	0.019	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
gamma-Chlordane [1]	ND	0.054	0.021	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Aldrin [1]	ND	0.054	0.0038	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
alpha-BHC [1]	ND	0.054	0.028	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
beta-BHC [1]	ND	0.054	0.023	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
delta-BHC [1]	ND	0.054	0.031	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
gamma-BHC (Lindane) [1]	ND	0.032	0.0046	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
4,4'-DDD [1]	ND	0.043	0.0048	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
4,4'-DDE [1]	ND	0.043	0.0046	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
4,4'-DDT [1]	ND	0.043	0.0042	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Dieldrin [1]	ND	0.0022	0.00084	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Endosulfan I [2]	ND	0.054	0.019	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Endosulfan II [1]	ND	0.086	0.016	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Endosulfan sulfate [1]	ND	0.086	0.016	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Endrin [1]	ND	0.086	0.017	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Endrin aldehyde [1]	ND	0.086	0.018	µg/L	1		SW-846 8081B	4/28/22	5/10/22 14:27	TG
Endrin ketone [1]	ND	0.086	0.016	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Heptachlor [1]	ND	0.054	0.0048	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Heptachlor epoxide [1]	ND	0.054	0.0035	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Methoxychlor [1]	ND	0.54	0.057	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG
Toxaphene [1]	ND	1.1	0.34	µg/L	1		SW-846 8081B	4/28/22	5/9/22 19:25	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.0	30-150		5/9/22 19:25
Decachlorobiphenyl [2]	58.6	30-150		5/9/22 19:25
Tetrachloro-m-xylene [1]	56.5	30-150		5/9/22 19:25
Tetrachloro-m-xylene [2]	51.3	30-150		5/9/22 19:25

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	0.057	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB
Aroclor-1221 [1]	ND	0.22	0.085	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB
Aroclor-1232 [1]	ND	0.22	0.078	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB
Aroclor-1242 [1]	ND	0.22	0.082	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB
Aroclor-1248 [1]	ND	0.22	0.095	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB
Aroclor-1254 [1]	ND	0.22	0.084	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB
Aroclor-1260 [1]	ND	0.22	0.067	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB
Aroclor-1262 [1]	ND	0.22	0.068	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB
Aroclor-1268 [1]	ND	0.22	0.083	µg/L	1		SW-846 8082A	4/28/22	5/6/22 16:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.8	30-150		5/6/22 16:58
Decachlorobiphenyl [2]	77.8	30-150		5/6/22 16:58
Tetrachloro-m-xylene [1]	64.1	30-150		5/6/22 16:58
Tetrachloro-m-xylene [2]	61.3	30-150		5/6/22 16:58

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.57	0.12	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
2,4-DB [1]	ND	0.57	0.19	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
2,4,5-TP (Silvex) [1]	ND	0.057	0.011	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
2,4,5-T [1]	ND	0.11	0.028	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
Dalalpon [1]	ND	1.4	0.19	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
Dicamba [1]	ND	0.057	0.017	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
Dichloroprop [1]	ND	0.57	0.21	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
Dinoseb [1]	ND	0.28	0.053	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
MCPA [1]	ND	57	11	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB
MCPP [1]	ND	57	11	µg/L	1		SW-846 8151A	4/26/22	5/7/22 8:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	90.4	30-150		5/7/22 8:32
2,4-Dichlorophenylacetic acid [2]	95.8	30-150		5/7/22 8:32

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.026	0.050	0.015	mg/L	1	J	SW-846 6010D	4/25/22	4/25/22 20:40	QNW
Antimony	ND	1.0	0.24	µg/L	1		SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Arsenic	5.0	0.80	0.31	µg/L	1		SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Barium	110	10	1.2	µg/L	1		SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Beryllium	ND	0.40	0.076	µg/L	1		SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Cadmium	0.071	0.20	0.030	µg/L	1	J	SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Calcium	140	0.50	0.11	mg/L	1	MS-19	SW-846 6010D	4/25/22	4/25/22 20:40	QNW
Chromium	0.71	1.0	0.61	µg/L	1	J	SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Cobalt	3.4	1.0	0.12	µg/L	1		SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Copper	ND	1.0	0.25	µg/L	1	B-05	SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Iron	5.7	0.050	0.019	mg/L	1		SW-846 6010D	4/25/22	4/25/22 20:40	QNW
Lead	0.32	0.50	0.13	µg/L	1	J	SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Magnesium	25	0.050	0.0095	mg/L	1		SW-846 6010D	4/25/22	4/25/22 20:40	QNW
Manganese	1100	20	4.1	µg/L	20		SW-846 6020B	4/25/22	4/27/22 13:15	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/6/22	5/9/22 14:14	TDK
Nickel	3.9	5.0	0.63	µg/L	1	J	SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Potassium	2.0	2.0	0.30	mg/L	1		SW-846 6010D	4/25/22	4/25/22 20:40	QNW
Selenium	ND	5.0	0.95	µg/L	1		SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Silver	ND	0.20	0.027	µg/L	1	B-05	SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Sodium	12	2.0	0.53	mg/L	1		SW-846 6010D	4/25/22	4/25/22 20:40	QNW
Thallium	ND	0.20	0.057	µg/L	1		SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Vanadium	ND	5.0	2.2	µg/L	1		SW-846 6020B	4/25/22	4/25/22 22:40	QNW
Zinc	4.2	10	1.5	µg/L	1	J	SW-846 6020B	4/25/22	4/25/22 22:40	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4D | Sampled: 4/21/2022 10:25

Sample ID: 22D1653-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0057	0.010	0.0035	mg/L	1	J	SW-846 9014	4/28/22	4/29/22 11:40	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4E | Sampled: 4/21/2022 14:10

Sample ID: 22D1653-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4E | Sampled: 4/21/2022 14:10

Sample ID: 22D1653-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 16:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		4/27/22 16:45
Toluene-d8	98.2	70-130		4/27/22 16:45
4-Bromofluorobenzene	99.4	70-130		4/27/22 16:45

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4E | Sampled: 4/21/2022 14:10

Sample ID: 22D1653-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	4/28/22	5/3/22 21:47	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	16.6	15-110			5/3/22 21:47

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-4E | Sampled: 4/21/2022 14:10

Sample ID: 22D1653-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.5	1.9	0.71	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoropentanoic acid (PFPeA)	0.63	1.9	0.37	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorohexanoic acid (PFHxA)	0.64	1.9	0.37	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.47	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.8	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.25	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9	0.65	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:23	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		4/27/22 17:13
Toluene-d8	96.8	70-130		4/27/22 17:13
4-Bromofluorobenzene	99.6	70-130		4/27/22 17:13

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	22	0.61	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Benzaldehyde	ND	11	0.50	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Biphenyl	ND	22	0.46	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Caprolactam	ND	11	0.31	µg/L	1	L-04	SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Acenaphthene	ND	5.6	0.58	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Acenaphthylene	ND	5.6	0.54	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Acetophenone	ND	11	0.59	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Anthracene	ND	5.6	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Benzo(a)anthracene	ND	5.6	0.45	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Benzo(a)pyrene	ND	5.6	0.63	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Benzo(b)fluoranthene	ND	5.6	0.52	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Benzo(g,h,i)perylene	ND	5.6	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Benzo(k)fluoranthene	ND	5.6	0.54	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Bis(2-chloroethoxy)methane	ND	11	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Bis(2-chloroethyl)ether	ND	11	0.63	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Bis(2-chloroisopropyl)ether	ND	11	0.76	µg/L	1	R-05, V-05	SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	11	0.93	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
4-Bromophenylphenylether	ND	11	0.52	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Butylbenzylphthalate	ND	11	0.75	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Carbazole	ND	11	0.47	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
4-Chloroaniline	ND	11	0.64	µg/L	1	V-34	SW-846 8270E	4/29/22	5/5/22 1:44	BGL
4-Chloro-3-methylphenol	ND	11	0.62	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2-Chloronaphthalene	ND	11	0.54	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2-Chlorophenol	ND	11	0.53	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
4-Chlorophenylphenylether	ND	11	0.53	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Chrysene	ND	5.6	0.44	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Dibenz(a,h)anthracene	ND	5.6	0.77	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Dibenzofuran	ND	5.6	0.54	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Di-n-butylphthalate	ND	11	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
3,3-Dichlorobenzidine	ND	11	0.79	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2,4-Dichlorophenol	ND	11	0.53	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Diethylphthalate	ND	11	0.46	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2,4-Dimethylphenol	ND	11	0.78	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Dimethylphthalate	ND	11	0.42	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
4,6-Dinitro-2-methylphenol	ND	11	7.8	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2,4-Dinitrophenol	ND	11	9.0	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2,4-Dinitrotoluene	ND	11	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2,6-Dinitrotoluene	ND	11	0.58	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Di-n-octylphthalate	ND	11	4.4	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Fluoranthene	ND	5.6	0.48	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Fluorene	ND	5.6	0.58	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Hexachlorobenzene	ND	11	0.56	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Hexachlorobutadiene	ND	11	0.86	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Hexachlorocyclopentadiene	ND	11	4.1	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	0.82	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Indeno(1,2,3-cd)pyrene	ND	5.6	0.82	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Isophorone	ND	11	0.61	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2-Methylnaphthalene	ND	5.6	0.77	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2-Methylphenol	ND	11	0.53	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
3/4-Methylphenol	ND	11	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Naphthalene	ND	5.6	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2-Nitroaniline	ND	11	0.77	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
3-Nitroaniline	ND	11	0.65	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
4-Nitroaniline	ND	11	0.67	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Nitrobenzene	ND	11	0.70	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2-Nitrophenol	ND	11	0.57	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
4-Nitrophenol	ND	11	2.3	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.42	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
N-Nitrosodi-n-propylamine	ND	11	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Pentachlorophenol	ND	11	3.9	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Phenanthrene	ND	5.6	0.53	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Phenol	ND	11	0.25	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
Pyrene	ND	5.6	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	11	0.73	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2,4,5-Trichlorophenol	ND	11	0.57	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL
2,4,6-Trichlorophenol	ND	11	0.50	µg/L	1		SW-846 8270E	4/29/22	5/5/22 1:44	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	64.8	15-110		5/5/22 1:44
Phenol-d6	52.9	15-110		5/5/22 1:44
Nitrobenzene-d5	86.1	30-130		5/5/22 1:44
2-Fluorobiphenyl	99.0	30-130		5/5/22 1:44
2,4,6-Tribromophenol	106	15-110		5/5/22 1:44
p-Terphenyl-d14	96.0	30-130		5/5/22 1:44

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	4/28/22	5/3/22 22:07	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	21.3	15-110		5/3/22 22:07	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.4	1.8	0.68	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorobutanesulfonic acid (PFBS)	0.27	1.8	0.26	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoropentanoic acid (PFPeA)	0.50	1.8	0.36	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorohexanoic acid (PFHxA)	0.45	1.8	0.35	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.55	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.45	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.40	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.85	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	0.17	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.2	1.8	0.33	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	0.23	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluoroheptanoic acid (PFHpA)	0.34	1.8	0.31	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorooctanoic acid (PFOA)	1.5	1.8	0.62	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorooctanesulfonic acid (PFOS)	0.91	1.8	0.55	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:10	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.059	0.021	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
gamma-Chlordane [1]	ND	0.059	0.022	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Aldrin [1]	ND	0.059	0.0041	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
alpha-BHC [1]	ND	0.059	0.030	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
beta-BHC [1]	ND	0.059	0.025	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
delta-BHC [1]	ND	0.059	0.034	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
gamma-BHC (Lindane) [1]	ND	0.035	0.0051	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
4,4'-DDD [1]	ND	0.047	0.0053	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
4,4'-DDE [1]	ND	0.047	0.0050	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
4,4'-DDT [1]	ND	0.047	0.0046	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Dieldrin [1]	ND	0.0024	0.00092	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Endosulfan I [1]	ND	0.059	0.029	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Endosulfan II [1]	ND	0.094	0.018	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Endosulfan sulfate [1]	ND	0.094	0.017	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Endrin [1]	ND	0.094	0.018	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Endrin aldehyde [1]	ND	0.094	0.020	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Endrin ketone [1]	ND	0.094	0.017	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Heptachlor [1]	ND	0.059	0.0053	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Heptachlor epoxide [1]	ND	0.059	0.0038	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Methoxychlor [1]	ND	0.59	0.062	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG
Toxaphene [1]	ND	1.2	0.37	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.6	30-150		5/7/22 14:08
Decachlorobiphenyl [2]	77.7	30-150		5/7/22 14:08
Tetrachloro-m-xylene [1]	64.8	30-150		5/7/22 14:08
Tetrachloro-m-xylene [2]	61.6	30-150		5/7/22 14:08

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	0.062	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG
Aroclor-1221 [1]	ND	0.24	0.093	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG
Aroclor-1232 [1]	ND	0.24	0.085	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG
Aroclor-1242 [1]	ND	0.24	0.090	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG
Aroclor-1248 [1]	ND	0.24	0.10	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG
Aroclor-1254 [1]	ND	0.24	0.092	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG
Aroclor-1260 [1]	ND	0.24	0.073	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG
Aroclor-1262 [1]	ND	0.24	0.075	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG
Aroclor-1268 [1]	ND	0.24	0.091	µg/L	1		SW-846 8082A	4/29/22	5/5/22 10:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		5/5/22 10:55
Decachlorobiphenyl [2]	89.6	30-150		5/5/22 10:55
Tetrachloro-m-xylene [1]	75.3	30-150		5/5/22 10:55
Tetrachloro-m-xylene [2]	77.8	30-150		5/5/22 10:55

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.59	0.12	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
2,4-DB [1]	ND	0.59	0.20	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
2,4,5-TP (Silvex) [1]	ND	0.059	0.012	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
2,4,5-T [1]	ND	0.12	0.029	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
Dalalpon [1]	ND	1.5	0.20	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
Dicamba [1]	ND	0.059	0.018	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
Dichloroprop [1]	ND	0.59	0.22	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
Dinoseb [1]	ND	0.29	0.055	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
MCPA [1]	ND	59	11	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB
MCPP [1]	ND	59	11	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	96.8	30-150		5/7/22 9:12
2,4-Dichlorophenylacetic acid [2]	96.8	30-150		5/7/22 9:12

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.47	0.050	0.015	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:12	QNW
Antimony	ND	1.0	0.24	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Arsenic	3.3	0.80	0.31	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Barium	62	10	1.2	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Beryllium	ND	0.40	0.076	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Cadmium	0.24	0.20	0.030	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Calcium	120	0.50	0.11	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:12	QNW
Chromium	2.0	1.0	0.61	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Cobalt	4.7	1.0	0.12	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Copper	9.2	1.0	0.25	µg/L	1	B-07	SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Iron	4.7	0.050	0.019	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:12	QNW
Lead	0.61	0.50	0.13	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Magnesium	31	0.050	0.0095	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:12	QNW
Manganese	450	1.0	0.20	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/6/22	5/6/22 16:00	TDK
Nickel	18	5.0	0.63	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Potassium	2.0	2.0	0.30	mg/L	1	J	SW-846 6010D	4/25/22	4/25/22 22:12	QNW
Selenium	ND	5.0	0.95	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Silver	0.088	0.20	0.027	µg/L	1	B, J	SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Sodium	15	2.0	0.53	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:12	QNW
Thallium	ND	0.20	0.057	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW
Vanadium	ND	5.0	2.2	µg/L	1		SW-846 6020B	4/25/22	4/28/22 23:07	QNW
Zinc	24	10	1.5	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:18	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-3AR | Sampled: 4/22/2022 10:30

Sample ID: 22D1653-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0077	0.010	0.0035	mg/L	1	J	SW-846 9014	4/28/22	4/29/22 11:40	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-B | Sampled: 4/22/2022 09:10

Sample ID: 22D1653-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-B | Sampled: 4/22/2022 09:10

Sample ID: 22D1653-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 17:41	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		4/27/22 17:41
Toluene-d8	97.0	70-130		4/27/22 17:41
4-Bromofluorobenzene	98.5	70-130		4/27/22 17:41

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-B | Sampled: 4/22/2022 09:10

Sample ID: 22D1653-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	4/28/22	5/3/22 22:27	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	24.9	15-110			5/3/22 22:27

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-MW-B | Sampled: 4/22/2022 09:10

Sample ID: 22D1653-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	0.61	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	0.23	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.6	0.32	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	0.32	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	0.53	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	0.32	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	0.29	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	0.20	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	0.50	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	0.40	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	0.36	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	0.19	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	0.78	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.6	0.52	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.6	0.63	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	0.30	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	0.23	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	0.23	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	0.27	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	0.35	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	0.14	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	0.26	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	0.16	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	0.28	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	0.34	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	0.28	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	0.30	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.6	0.21	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	0.30	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	0.23	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	0.28	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorooctanoic acid (PFOA)	ND	1.6	0.56	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorooctanesulfonic acid (PFOS)	0.85	1.6	0.50	ng/L	1	J	SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	0.29	ng/L	1		SOP-454 PFAS	5/2/22	5/6/22 0:13	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-WS-01 | Sampled: 4/21/2022 13:35

Sample ID: 22D1653-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.4	50	2.0	µg/L	1	J	SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-WS-01 | Sampled: 4/21/2022 13:35

Sample ID: 22D1653-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	110	70-130		4/27/22 18:09
Toluene-d8	96.9	70-130		4/27/22 18:09
4-Bromofluorobenzene	99.0	70-130		4/27/22 18:09

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-WS-01 | Sampled: 4/21/2022 13:35

Sample ID: 22D1653-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.24	0.039	µg/L	1		SW-846 8270E	4/28/22	5/3/22 22:47	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	26.0	15-110			5/3/22 22:47

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-FNCH-WS-01 | Sampled: 4/21/2022 13:35

Sample ID: 22D1653-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.6	1.7	0.64	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorobutanesulfonic acid (PFBS)	0.57	1.7	0.24	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.7	0.34	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.7	0.33	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.7	0.56	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.7	0.34	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7	0.30	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	0.21	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.7	0.53	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorodecanoic acid (PFDA)	ND	1.7	0.42	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.7	0.38	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7	0.20	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7	0.81	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.7	0.55	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.7	0.66	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.7	0.32	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.7	0.24	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.7	0.24	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.7	0.28	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.7	0.36	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.7	0.15	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.7	0.27	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.7	0.17	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorohexanesulfonic acid (PFHxS)	0.30	1.7	0.29	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7	0.36	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7	0.30	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.7	0.32	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.7	0.22	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.7	0.32	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7	0.24	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.7	0.30	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorooctanoic acid (PFOA)	ND	1.7	0.59	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorooctanesulfonic acid (PFOS)	1.1	1.7	0.52	ng/L	1	J	SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH
Perfluorononanoic acid (PFNA)	ND	1.7	0.30	ng/L	1		SOP-454 PFAS	4/26/22	5/4/22 17:45	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 18:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		4/27/22 18:37
Toluene-d8	97.4	70-130		4/27/22 18:37
4-Bromofluorobenzene	98.9	70-130		4/27/22 18:37

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	25	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Benzaldehyde	ND	12	0.55	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Biphenyl	ND	25	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Caprolactam	ND	12	0.35	µg/L	1	L-04	SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Acenaphthene	ND	6.2	0.64	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Acenaphthylene	ND	6.2	0.60	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Acetophenone	ND	12	0.66	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Anthracene	ND	6.2	0.57	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Benzo(a)anthracene	ND	6.2	0.50	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Benzo(a)pyrene	ND	6.2	0.70	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Benzo(b)fluoranthene	ND	6.2	0.58	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Benzo(g,h,i)perylene	ND	6.2	0.76	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Benzo(k)fluoranthene	ND	6.2	0.60	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Bis(2-chloroethoxy)methane	ND	12	0.56	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Bis(2-chloroethyl)ether	ND	12	0.70	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Bis(2-chloroisopropyl)ether	ND	12	0.85	µg/L	1	R-05, V-05	SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Bis(2-Ethylhexyl)phthalate	ND	12	1.0	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
4-Bromophenylphenylether	ND	12	0.58	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Butylbenzylphthalate	ND	12	0.83	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Carbazole	ND	12	0.53	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
4-Chloroaniline	ND	12	0.71	µg/L	1	V-34	SW-846 8270E	4/29/22	5/5/22 2:10	BGL
4-Chloro-3-methylphenol	ND	12	0.69	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2-Chloronaphthalene	ND	12	0.60	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2-Chlorophenol	ND	12	0.58	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
4-Chlorophenylphenylether	ND	12	0.59	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Chrysene	ND	6.2	0.49	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Dibenz(a,h)anthracene	ND	6.2	0.85	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Dibenzofuran	ND	6.2	0.60	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Di-n-butylphthalate	ND	12	0.57	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
3,3-Dichlorobenzidine	ND	12	0.88	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2,4-Dichlorophenol	ND	12	0.59	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Diethylphthalate	ND	12	0.52	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2,4-Dimethylphenol	ND	12	0.87	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Dimethylphthalate	ND	12	0.46	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
4,6-Dinitro-2-methylphenol	ND	12	8.7	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2,4-Dinitrophenol	ND	12	10	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2,4-Dinitrotoluene	ND	12	0.76	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2,6-Dinitrotoluene	ND	12	0.64	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Di-n-octylphthalate	ND	12	4.9	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Fluoranthene	ND	6.2	0.53	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Fluorene	ND	6.2	0.64	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Hexachlorobenzene	ND	12	0.62	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Hexachlorobutadiene	ND	12	0.96	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Hexachlorocyclopentadiene	ND	12	4.5	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	12	0.91	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Indeno(1,2,3-cd)pyrene	ND	6.2	0.92	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Isophorone	ND	12	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2-Methylnaphthalene	ND	6.2	0.85	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2-Methylphenol	ND	12	0.59	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
3/4-Methylphenol	ND	12	0.56	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Naphthalene	ND	6.2	0.76	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2-Nitroaniline	ND	12	0.86	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
3-Nitroaniline	ND	12	0.72	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
4-Nitroaniline	ND	12	0.74	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Nitrobenzene	ND	12	0.77	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2-Nitrophenol	ND	12	0.63	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
4-Nitrophenol	ND	12	2.6	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	12	0.47	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
N-Nitrosodi-n-propylamine	ND	12	0.76	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Pentachlorophenol	ND	12	4.3	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Phenanthrene	ND	6.2	0.59	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Phenol	ND	12	0.28	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
Pyrene	ND	6.2	0.76	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
1,2,4,5-Tetrachlorobenzene	ND	12	0.81	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2,4,5-Trichlorophenol	ND	12	0.63	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL
2,4,6-Trichlorophenol	ND	12	0.56	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:10	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	62.3	15-110		5/5/22 2:10
Phenol-d6	51.8	15-110		5/5/22 2:10
Nitrobenzene-d5	76.1	30-130		5/5/22 2:10
2-Fluorobiphenyl	89.3	30-130		5/5/22 2:10
2,4,6-Tribromophenol	95.8	15-110		5/5/22 2:10
p-Terphenyl-d14	86.3	30-130		5/5/22 2:10

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.26	0.043	µg/L	1		SW-846 8270E	4/28/22	5/3/22 23:07	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	25.0	15-110			5/3/22 23:07

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.3	1.9	0.70	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorohexanoic acid (PFHxA)	0.38	1.9	0.36	ng/L	1	J	SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.46	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.29	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.24	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9	0.64	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	5/6/22	5/10/22 12:17	BLH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.060	0.021	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
gamma-Chlordane [1]	ND	0.060	0.023	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Aldrin [1]	ND	0.060	0.0042	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
alpha-BHC [1]	ND	0.060	0.031	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
beta-BHC [1]	ND	0.060	0.025	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
delta-BHC [1]	ND	0.060	0.035	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
gamma-BHC (Lindane) [1]	ND	0.036	0.0051	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
4,4'-DDD [1]	ND	0.048	0.0053	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
4,4'-DDE [1]	ND	0.048	0.0051	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
4,4'-DDT [1]	ND	0.048	0.0047	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Dieldrin [1]	ND	0.0024	0.00093	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Endosulfan I [1]	ND	0.060	0.029	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Endosulfan II [1]	ND	0.095	0.018	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Endosulfan sulfate [1]	ND	0.095	0.018	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Endrin [1]	ND	0.095	0.019	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Endrin aldehyde [1]	ND	0.095	0.020	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Endrin ketone [1]	ND	0.095	0.017	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Heptachlor [1]	ND	0.060	0.0053	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Heptachlor epoxide [1]	ND	0.060	0.0039	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Methoxychlor [1]	ND	0.60	0.063	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG
Toxaphene [1]	ND	1.2	0.38	µg/L	1		SW-846 8081B	4/29/22	5/7/22 14:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.3	30-150		5/7/22 14:34
Decachlorobiphenyl [2]	88.4	30-150		5/7/22 14:34
Tetrachloro-m-xylene [1]	84.1	30-150		5/7/22 14:34
Tetrachloro-m-xylene [2]	61.4	30-150		5/7/22 14:34

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	0.063	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG
Aroclor-1221 [1]	ND	0.24	0.094	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG
Aroclor-1232 [1]	ND	0.24	0.086	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG
Aroclor-1242 [1]	ND	0.24	0.091	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG
Aroclor-1248 [1]	ND	0.24	0.11	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG
Aroclor-1254 [1]	ND	0.24	0.093	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG
Aroclor-1260 [1]	ND	0.24	0.074	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG
Aroclor-1262 [1]	ND	0.24	0.076	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG
Aroclor-1268 [1]	ND	0.24	0.092	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.6	30-150		5/5/22 11:12
Decachlorobiphenyl [2]	97.3	30-150		5/5/22 11:12
Tetrachloro-m-xylene [1]	81.1	30-150		5/5/22 11:12
Tetrachloro-m-xylene [2]	83.5	30-150		5/5/22 11:12

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.61	0.13	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
2,4-DB [1]	ND	0.61	0.21	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
2,4,5-TP (Silvex) [1]	ND	0.061	0.012	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
2,4,5-T [1]	ND	0.12	0.030	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
Dalalpon [1]	ND	1.5	0.20	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
Dicamba [1]	ND	0.061	0.019	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
Dichloroprop [1]	ND	0.61	0.23	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
Dinoseb [1]	ND	0.30	0.057	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
MCPA [1]	ND	61	12	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB
MCPP [1]	ND	61	12	µg/L	1		SW-846 8151A	4/26/22	5/7/22 9:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,4-Dichlorophenylacetic acid [1]	96.5	30-150		5/7/22 9:51	
2,4-Dichlorophenylacetic acid [2]	100	30-150		5/7/22 9:51	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.083	0.050	0.015	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:19	QNW
Antimony	ND	1.0	0.24	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Arsenic	2.8	0.80	0.31	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Barium	71	10	1.2	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Beryllium	ND	0.40	0.076	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Cadmium	0.074	0.20	0.030	µg/L	1	J	SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Calcium	120	0.50	0.11	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:19	QNW
Chromium	1.3	1.0	0.61	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Cobalt	1.8	1.0	0.12	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Copper	2.9	1.0	0.25	µg/L	1	B	SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Iron	2.3	0.050	0.019	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:19	QNW
Lead	0.16	0.50	0.13	µg/L	1	J	SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Magnesium	30	0.050	0.0095	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:19	QNW
Manganese	190	1.0	0.20	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/6/22	5/6/22 16:02	TDK
Nickel	6.4	5.0	0.63	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Potassium	1.8	2.0	0.30	mg/L	1	J	SW-846 6010D	4/25/22	4/25/22 22:19	QNW
Selenium	ND	5.0	0.95	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Silver	ND	0.20	0.027	µg/L	1	B-05	SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Sodium	15	2.0	0.53	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:19	QNW
Thallium	ND	0.20	0.057	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:29	QNW
Vanadium	ND	5.0	2.2	µg/L	1		SW-846 6020B	4/25/22	4/28/22 23:10	QNW
Zinc	4.4	10	1.5	µg/L	1	J	SW-846 6020B	4/25/22	4/27/22 13:29	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: Duplicate | Sampled: 4/22/2022 12:00

Sample ID: 22D1653-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0038	0.010	0.0035	mg/L	1	J	SW-846 9014	4/28/22	4/29/22 11:40	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:07	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		4/27/22 19:07
Toluene-d8	97.1	70-130		4/27/22 19:07
4-Bromofluorobenzene	98.8	70-130		4/27/22 19:07

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Benzaldehyde	ND	9.9	0.44	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Biphenyl	ND	20	0.40	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Caprolactam	ND	9.9	0.28	µg/L	1	L-04	SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Acenaphthylene	ND	4.9	0.48	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Acetophenone	ND	9.9	0.52	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1	R-05, V-05	SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Butylbenzylphthalate	ND	9.9	0.66	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
4-Chloroaniline	ND	9.9	0.57	µg/L	1	V-34	SW-846 8270E	4/29/22	5/5/22 2:36	BGL
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Di-n-butylphthalate	ND	9.9	0.45	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
4,6-Dinitro-2-methylphenol	ND	9.9	6.9	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2,4-Dinitrophenol	ND	9.9	7.9	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2,4-Dinitrotoluene	ND	9.9	0.60	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Hexachlorobutadiene	ND	9.9	0.76	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.9	0.73	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Isophorone	ND	9.9	0.54	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Naphthalene	ND	4.9	0.61	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2-Nitroaniline	ND	9.9	0.68	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
N-Nitrosodi-n-propylamine	ND	9.9	0.60	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Phenol	ND	9.9	0.22	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.64	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL
2,4,6-Trichlorophenol	ND	9.9	0.44	µg/L	1		SW-846 8270E	4/29/22	5/5/22 2:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	45.3	15-110		5/5/22 2:36	
Phenol-d6	29.7	15-110		5/5/22 2:36	
Nitrobenzene-d5	74.4	30-130		5/5/22 2:36	
2-Fluorobiphenyl	87.5	30-130		5/5/22 2:36	
2,4,6-Tribromophenol	102	15-110		5/5/22 2:36	
p-Terphenyl-d14	83.9	30-130		5/5/22 2:36	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.19	0.031	µg/L	1		SW-846 8270E	4/28/22	5/3/22 23:27	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	21.6	15-110			5/3/22 23:27

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.049	0.018	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
gamma-Chlordane [1]	ND	0.049	0.019	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Aldrin [1]	ND	0.049	0.0034	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
alpha-BHC [1]	ND	0.049	0.025	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
beta-BHC [1]	ND	0.049	0.021	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
delta-BHC [1]	ND	0.049	0.029	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
gamma-BHC (Lindane) [1]	ND	0.029	0.0042	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
4,4'-DDD [1]	ND	0.039	0.0044	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
4,4'-DDE [1]	ND	0.039	0.0042	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
4,4'-DDT [1]	ND	0.039	0.0038	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Dieldrin [1]	ND	0.0020	0.00076	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Endosulfan I [1]	ND	0.049	0.024	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Endosulfan II [1]	ND	0.078	0.015	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Endosulfan sulfate [1]	ND	0.078	0.014	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Endrin [1]	ND	0.078	0.015	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Endrin aldehyde [1]	ND	0.078	0.017	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Endrin ketone [1]	ND	0.078	0.014	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Heptachlor [1]	ND	0.049	0.0044	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Heptachlor epoxide [1]	ND	0.049	0.0032	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Methoxychlor [1]	ND	0.49	0.052	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG
Toxaphene [1]	ND	0.98	0.31	µg/L	1		SW-846 8081B	4/29/22	5/7/22 15:01	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.6	30-150		5/7/22 15:01
Decachlorobiphenyl [2]	89.3	30-150		5/7/22 15:01
Tetrachloro-m-xylene [1]	73.0	30-150		5/7/22 15:01
Tetrachloro-m-xylene [2]	72.5	30-150		5/7/22 15:01

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.052	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG
Aroclor-1221 [1]	ND	0.20	0.077	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG
Aroclor-1232 [1]	ND	0.20	0.071	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG
Aroclor-1242 [1]	ND	0.20	0.075	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG
Aroclor-1248 [1]	ND	0.20	0.087	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG
Aroclor-1254 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG
Aroclor-1260 [1]	ND	0.20	0.061	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG
Aroclor-1262 [1]	ND	0.20	0.062	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG
Aroclor-1268 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	4/29/22	5/5/22 11:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		5/5/22 11:30
Decachlorobiphenyl [2]	98.3	30-150		5/5/22 11:30
Tetrachloro-m-xylene [1]	80.6	30-150		5/5/22 11:30
Tetrachloro-m-xylene [2]	83.4	30-150		5/5/22 11:30

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.50	0.10	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
2,4-DB [1]	ND	0.50	0.17	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
2,4,5-TP (Silvex) [1]	ND	0.050	0.010	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
2,4,5-T [1]	ND	0.099	0.024	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
Dalalpon [1]	ND	1.2	0.17	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
Dicamba [1]	ND	0.050	0.015	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
Dichloroprop [1]	ND	0.50	0.19	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
Dinoseb [1]	ND	0.25	0.046	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
MCPA [1]	ND	50	9.3	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB
MCPP [1]	ND	50	9.7	µg/L	1		SW-846 8151A	4/26/22	5/7/22 10:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	99.5	30-150		5/7/22 10:31
2,4-Dichlorophenylacetic acid [2]	103	30-150		5/7/22 10:31

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:25	QNW
Antimony	ND	1.0	0.24	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Arsenic	0.61	0.80	0.31	µg/L	1	J	SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Barium	23	10	1.2	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Beryllium	ND	0.40	0.076	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Cadmium	ND	0.20	0.030	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Calcium	65	0.50	0.11	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:25	QNW
Chromium	1.2	1.0	0.61	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Cobalt	ND	1.0	0.12	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Copper	1.0	1.0	0.25	µg/L	1	B	SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Iron	0.034	0.050	0.019	mg/L	1	J	SW-846 6010D	4/25/22	4/25/22 22:25	QNW
Lead	ND	0.50	0.13	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Magnesium	12	0.050	0.0095	mg/L	1		SW-846 6010D	4/25/22	4/25/22 22:25	QNW
Manganese	2.5	1.0	0.20	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	5/6/22	5/6/22 16:04	TDK
Nickel	0.79	5.0	0.63	µg/L	1	J	SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Potassium	1.7	2.0	0.30	mg/L	1	J	SW-846 6010D	4/25/22	4/25/22 22:25	QNW
Selenium	ND	5.0	0.95	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Silver	ND	0.20	0.027	µg/L	1	B-05	SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Sodium	1.2	2.0	0.53	mg/L	1	J	SW-846 6010D	4/25/22	4/25/22 22:25	QNW
Thallium	ND	0.20	0.057	µg/L	1		SW-846 6020B	4/25/22	4/27/22 13:35	QNW
Vanadium	ND	5.0	2.2	µg/L	1		SW-846 6020B	4/25/22	4/28/22 23:13	QNW
Zinc	4.4	10	1.5	µg/L	1	J	SW-846 6020B	4/25/22	4/27/22 13:35	QNW

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WC-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0057	0.010	0.0035	mg/L	1	J	SW-846 9014	4/28/22	4/29/22 11:40	MMH

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Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WS-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WS-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/27/22	4/27/22 19:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		4/27/22 19:35
Toluene-d8	97.0	70-130		4/27/22 19:35
4-Bromofluorobenzene	98.9	70-130		4/27/22 19:35

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 22D1653

Date Received: 4/22/2022

Field Sample #: QNSB-WS-01 | Sampled: 4/22/2022 12:45

Sample ID: 22D1653-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	4/28/22	5/3/22 23:47	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	19.6	15-110			5/3/22 23:47

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-FNCH-MW-4D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B306907	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B306907-MS2
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D1653-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Acetone	100	ND	108	108		70 - 130
Benzene	10.0	ND	9.43	94.3		70 - 130
Bromochloromethane	10.0	ND	10.3	103		70 - 130
Bromodichloromethane	10.0	ND	10.6	106		70 - 130
Bromoform	10.0	ND	12.4	124		70 - 130
Bromomethane	10.0	ND	16.6	166	*	70 - 130
2-Butanone (MEK)	100	ND	85.5	85.5		70 - 130
Carbon Disulfide	100	ND	128	128		70 - 130
Carbon Tetrachloride	10.0	ND	11.7	117		70 - 130
Chlorobenzene	10.0	ND	10.9	109		70 - 130
Chlorodibromomethane	10.0	ND	10.8	108		70 - 130
Chloroethane	10.0	ND	14.3	143	*	70 - 130
Chloroform	10.0	ND	10.5	105		70 - 130
Chloromethane	10.0	ND	9.84	98.4		70 - 130
Cyclohexane	10.0	ND	9.39	93.9		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	10.8	108		70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	10.8	108		70 - 130
1,2-Dichlorobenzene	10.0	ND	10.2	102		70 - 130
1,3-Dichlorobenzene	10.0	ND	10.2	102		70 - 130
1,4-Dichlorobenzene	10.0	ND	10.1	101		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	11.4	114		70 - 130
1,1-Dichloroethane	10.0	ND	9.87	98.7		70 - 130
1,2-Dichloroethane	10.0	ND	10.1	101		70 - 130
1,1-Dichloroethylene	10.0	ND	12.6	126		70 - 130
cis-1,2-Dichloroethylene	10.0	ND	9.83	98.3		70 - 130
trans-1,2-Dichloroethylene	10.0	ND	11.2	112		70 - 130
1,2-Dichloropropane	10.0	ND	9.49	94.9		70 - 130
cis-1,3-Dichloropropene	10.0	ND	8.85	88.5		70 - 130
trans-1,3-Dichloropropene	10.0	ND	9.16	91.6		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-FNCH-MW-4D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B306907	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B306907-MS2
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D1653-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
1,4-Dioxane	100	ND	99.9	99.9		70 - 130
Ethylbenzene	10.0	ND	10.8	108		70 - 130
2-Hexanone (MBK)	100	ND	93.8	93.8		70 - 130
Isopropylbenzene (Cumene)	10.0	ND	10.8	108		70 - 130
Methyl Acetate	10.0	ND	9.00	90.0		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	ND	9.59	95.9		70 - 130
Methyl Cyclohexane	10.0	ND	9.86	98.6		70 - 130
Methylene Chloride	10.0	ND	11.8	118		70 - 130
4-Methyl-2-pentanone (MIBK)	100	ND	92.4	92.4		70 - 130
Styrene	10.0	ND	10.8	108		70 - 130
1,1,2,2-Tetrachloroethane	10.0	ND	11.3	113		70 - 130
Tetrachloroethylene	10.0	ND	10.7	107		70 - 130
Toluene	10.0	ND	10.3	103		70 - 130
1,2,3-Trichlorobenzene	10.0	ND	10.7	107		70 - 130
1,2,4-Trichlorobenzene	10.0	ND	9.96	99.6		70 - 130
1,1,1-Trichloroethane	10.0	ND	11.5	115		70 - 130
1,1,2-Trichloroethane	10.0	ND	10.4	104		70 - 130
Trichloroethylene	10.0	ND	10.8	108		70 - 130
Trichlorofluoromethane (Freon 11)	10.0	ND	13.4	134	*	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	ND	12.4	124		70 - 130
Vinyl Chloride	10.0	ND	10.9	109		70 - 130
Xylenes (total)	30.0	0.00	32.2	107		0 - 200

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-FNCH-MW-4D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B306907	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B306907-MSD2
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D1653-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	115	115		6.11	30	70 - 130
Benzene	10.0	10.0	100		5.97	30	70 - 130
Bromochloromethane	10.0	10.8	108		4.85	30	70 - 130
Bromodichloromethane	10.0	11.4	114		6.73	30	70 - 130
Bromoform	10.0	13.4	134	*	7.98	30	70 - 130
Bromomethane	10.0	17.7	177	*	6.30	30	70 - 130
2-Butanone (MEK)	100	92.5	92.5		7.92	30	70 - 130
Carbon Disulfide	100	133	133	*	3.58	30	70 - 130
Carbon Tetrachloride	10.0	12.4	124		6.47	30	70 - 130
Chlorobenzene	10.0	11.3	113		3.61	30	70 - 130
Chlorodibromomethane	10.0	11.6	116		7.17	30	70 - 130
Chloroethane	10.0	15.1	151	*	5.64	30	70 - 130
Chloroform	10.0	11.2	112		6.43	30	70 - 130
Chloromethane	10.0	12.5	125		23.8	30	70 - 130
Cyclohexane	10.0	9.71	97.1		3.35	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.5	115		6.27	30	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.8	118		8.42	30	70 - 130
1,2-Dichlorobenzene	10.0	11.0	110		7.26	30	70 - 130
1,3-Dichlorobenzene	10.0	11.0	110		7.45	30	70 - 130
1,4-Dichlorobenzene	10.0	10.9	109		7.92	30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	11.8	118		3.44	30	70 - 130
1,1-Dichloroethane	10.0	10.3	103		4.46	30	70 - 130
1,2-Dichloroethane	10.0	10.7	107		5.75	30	70 - 130
1,1-Dichloroethylene	10.0	13.4	134	*	5.93	30	70 - 130
cis-1,2-Dichloroethylene	10.0	10.4	104		5.25	30	70 - 130
trans-1,2-Dichloroethylene	10.0	12.0	120		6.91	30	70 - 130
1,2-Dichloropropane	10.0	9.70	97.0		2.19	30	70 - 130
cis-1,3-Dichloropropene	10.0	9.35	93.5		5.49	30	70 - 130
trans-1,3-Dichloropropene	10.0	9.82	98.2		6.95	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-FNCH-MW-4D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B306907	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B306907-MSD2
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D1653-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dioxane	100	98.8	98.8		1.08	30	70 - 130
Ethylbenzene	10.0	11.2	112		2.91	30	70 - 130
2-Hexanone (MBK)	100	99.8	99.8		6.14	30	70 - 130
Isopropylbenzene (Cumene)	10.0	11.2	112		3.00	30	70 - 130
Methyl Acetate	10.0	9.54	95.4		5.83	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.6	106		10.4	30	70 - 130
Methyl Cyclohexane	10.0	10.2	102		3.88	30	70 - 130
Methylene Chloride	10.0	12.4	124		4.87	30	70 - 130
4-Methyl-2-pentanone (MIBK)	100	98.3	98.3		6.20	30	70 - 130
Styrene	10.0	11.3	113		4.98	30	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.9	119		5.78	30	70 - 130
Tetrachloroethylene	10.0	10.9	109		1.30	30	70 - 130
Toluene	10.0	10.6	106		2.79	30	70 - 130
1,2,3-Trichlorobenzene	10.0	12.3	123		14.1	30	70 - 130
1,2,4-Trichlorobenzene	10.0	10.9	109		8.83	30	70 - 130
1,1,1-Trichloroethane	10.0	12.1	121		5.07	30	70 - 130
1,1,2-Trichloroethane	10.0	11.2	112		7.70	30	70 - 130
Trichloroethylene	10.0	11.2	112		3.54	30	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	14.0	140	*	3.65	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	13.2	132	*	6.16	30	70 - 130
Vinyl Chloride	10.0	12.0	120		9.26	30	70 - 130
Xylenes (total)	30.0	33.3	111		3.27	200	0 - 200

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306907	Laboratory ID:	B306907-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	109	109		70 - 160
Benzene	10.0	8.94	89.4		70 - 130
Bromochloromethane	10.0	9.71	97.1		70 - 130
Bromodichloromethane	10.0	10.2	102		70 - 130
Bromoform	10.0	13.1	131	*	70 - 130
Bromomethane	10.0	16.6	166	*	40 - 160
2-Butanone (MEK)	100	91.3	91.3		40 - 160
Carbon Disulfide	100	115	115		70 - 130
Carbon Tetrachloride	10.0	10.6	106		70 - 130
Chlorobenzene	10.0	10.6	106		70 - 130
Chlorodibromomethane	10.0	10.8	108		70 - 130
Chloroethane	10.0	12.9	129		70 - 130
Chloroform	10.0	9.93	99.3		70 - 130
Chloromethane	10.0	9.54	95.4		40 - 160
Cyclohexane	10.0	8.30	83.0		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	12.1	121		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.0	110		70 - 130
1,2-Dichlorobenzene	10.0	10.5	105		70 - 130
1,3-Dichlorobenzene	10.0	10.7	107		70 - 130
1,4-Dichlorobenzene	10.0	10.5	105		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	10.0	100		40 - 160
1,1-Dichloroethane	10.0	9.11	91.1		70 - 130
1,2-Dichloroethane	10.0	9.66	96.6		70 - 130
1,1-Dichloroethylene	10.0	11.1	111		70 - 130
cis-1,2-Dichloroethylene	10.0	9.23	92.3		70 - 130
trans-1,2-Dichloroethylene	10.0	9.01	90.1		70 - 130
1,2-Dichloropropane	10.0	9.19	91.9		70 - 130
cis-1,3-Dichloropropene	10.0	9.15	91.5		70 - 130
trans-1,3-Dichloropropene	10.0	9.40	94.0		70 - 130
1,4-Dioxane	100	94.6	94.6		40 - 130
Ethylbenzene	10.0	10.4	104		70 - 130
2-Hexanone (MBK)	100	97.2	97.2		70 - 160
Isopropylbenzene (Cumene)	10.0	10.4	104		70 - 130
Methyl Acetate	10.0	11.2	112		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.93	99.3		70 - 130
Methyl Cyclohexane	10.0	9.33	93.3		70 - 130
Methylene Chloride	10.0	11.2	112		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B306907	Laboratory ID:	B306907-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	95.0	95.0	70 - 160
Styrene	10.0	10.7	107	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.6	116	70 - 130
Tetrachloroethylene	10.0	9.87	98.7	70 - 130
Toluene	10.0	9.53	95.3	70 - 130
1,2,3-Trichlorobenzene	10.0	12.1	121	70 - 130
1,2,4-Trichlorobenzene	10.0	11.1	111	70 - 130
1,1,1-Trichloroethane	10.0	10.4	104	70 - 130
1,1,2-Trichloroethane	10.0	10.6	106	70 - 130
Trichloroethylene	10.0	9.91	99.1	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	11.5	115	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.2	112	70 - 130
Vinyl Chloride	10.0	9.43	94.3	40 - 160
m+p Xylene	20.0	20.4	102	70 - 130
o-Xylene	10.0	10.2	102	70 - 130
Xylenes (total)	30.0	30.6	102	0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	111	111		1.42	25	70 - 160
Benzene	10.0	8.62	86.2		3.64	25	70 - 130
Bromochloromethane	10.0	9.52	95.2		1.98	25	70 - 130
Bromodichloromethane	10.0	10.2	102		0.687	25	70 - 130
Bromoform	10.0	12.7	127		3.17	25	70 - 130
Bromomethane	10.0	16.2	162	*	2.62	25	40 - 160
2-Butanone (MEK)	100	91.4	91.4		0.0876	25	40 - 160
Carbon Disulfide	100	111	111		3.32	25	70 - 130
Carbon Tetrachloride	10.0	10.3	103		3.07	25	70 - 130
Chlorobenzene	10.0	10.2	102		4.14	25	70 - 130
Chlorodibromomethane	10.0	10.4	104		3.57	25	70 - 130
Chloroethane	10.0	12.3	123		4.85	25	70 - 130
Chloroform	10.0	9.77	97.7		1.62	25	70 - 130
Chloromethane	10.0	9.83	98.3		2.99	25	40 - 160
Cyclohexane	10.0	7.93	79.3		4.56	25	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	7.159683E-02	9.0			20	
Acrolein	5.172498E-02	9.1			20	
Acrylonitrile	0.1052471	6.7			20	
tert-Amyl Methyl Ether (TAME)	0.7209663	8.2			20	
Benzene	1.222011	2.8			20	
Bromobenzene	0.6260948	7.3			20	
Bromochloromethane	0.2164615	15.8			20	
Bromodichloromethane	0.2476398	9.4			20	
Bromoform	0.2154443	17.7			20	
Bromomethane	0.1573628	15.6			20	
2-Butanone (MEK)	0.121202	5.9			20	
tert-Butyl Alcohol (TBA)	2.292431E-02	11.7			20	
n-Butylbenzene	1.352282	14.3			20	
sec-Butylbenzene	1.802855	11.0			20	
tert-Butylbenzene	1.253487	10.8			20	
tert-Butyl Ethyl Ether (TBEE)	0.79178	8.0			20	
Carbon Disulfide	0.7967695	8.3			20	
Carbon Tetrachloride	0.3758494	9.0			20	
Chlorobenzene	1.046329	5.5			20	
Chlorodibromomethane	0.1869851	12.4			20	
Chloroethane	0.1804872	13.5			20	
2-Chloroethyl Vinyl Ether	0.1269573	10.0			20	
Chloroform	0.5125747	4.5			20	
Chloromethane	0.3417516	14.5			20	
2-Chlorotoluene	1.177333	4.8			20	
4-Chlorotoluene	1.18012	7.4			20	
Cyclohexane	0.5311212	6.5			20	
1,2-Dibromo-3-chloropropane (DBCP)	6.088938E-02	17.9			20	
1,2-Dibromoethane (EDB)	0.1626881	10.9			20	
Dibromomethane	0.1175663	6.3			20	
1,2-Dichlorobenzene	0.7237142	7.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	0.807913	9.2			20	
1,4-Dichlorobenzene	0.8249951	6.8			20	
trans-1,4-Dichloro-2-butene	0.1075568	11.3			20	
Dichlorodifluoromethane (Freon 12)	0.388165	6.7			20	
1,1-Dichloroethane	0.5225156	5.3			20	
1,2-Dichloroethane	0.257927	13.0			20	
1,1-Dichloroethylene	0.4222399	4.5			20	
cis-1,2-Dichloroethylene	0.4139672	5.1			20	
trans-1,2-Dichloroethylene	0.4209055	4.7			20	
Dichlorofluoromethane (Freon 21)	0.5179793	6.3			20	
1,2-Dichloropropane	0.2033845	5.9			20	
1,3-Dichloropropane	0.2792627	9.6			20	
2,2-Dichloropropane	0.3895988	6.6			20	
1,1-Dichloropropene	0.4005375	6.9			20	
cis-1,3-Dichloropropene	0.3065878	11.4			20	
trans-1,3-Dichloropropene	0.2426863	14.0			20	
Diethyl Ether	0.1934383	5.7			20	
Difluorochloromethane (Freon 22)	0.4034106	7.5			20	
Diisopropyl Ether (DIPE)	0.8727756	5.2			20	
1,4-Dioxane	2.088244E-03	8.5			20	
Ethyl Acetate	0.2454666	8.4			20	
Ethylbenzene	1.760677	7.7			20	
Hexachlorobutadiene	0.2072355	12.1			20	
2-Hexanone (MBK)	0.1139797	11.7			20	
Iodomethane	0.3812631	19.0			20	
Isopropylbenzene (Cumene)	1.744379	6.3			20	
p-Isopropyltoluene (p-Cymene)	1.469487	11.6			20	
Methyl Acetate	0.2306531	15.6			20	
Methyl tert-Butyl Ether (MTBE)	0.703102	7.8			20	
Methyl Cyclohexane	0.3318229	6.8			20	
Methylene Chloride	0.3681109	8.0			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
4-Methyl-2-pentanone (MIBK)	0.1679712	10.9			20	
Naphthalene	0.771276	17.0			20	
n-Propylbenzene	2.023007	8.8			20	
Styrene	1.00575	11.8			20	
1,1,1,2-Tetrachloroethane	0.3436871	10.3			20	
1,1,2,2-Tetrachloroethane	0.3970277	10.4			20	
Tetrachloroethylene	0.2229981	5.4			20	
Tetrahydrofuran	7.719281E-02	11.4			20	
Toluene	0.8432327	4.1			20	
1,2,3-Trichlorobenzene	0.2664118	16.8			20	
1,2,4-Trichlorobenzene	0.3606225	14.8			20	
1,3,5-Trichlorobenzene	0.4526021	13.7			20	
1,1,1-Trichloroethane	0.4099857	8.7			20	
1,1,2-Trichloroethane	0.1579222	8.3			20	
Trichloroethylene	0.2016221	6.4			20	
Trichlorofluoromethane (Freon 11)	0.439477	6.2			20	
1,2,3-Trichloropropane	0.304366	11.3			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.2881461	6.6			20	
1,2,3-Trimethylbenzene	1.37952	9.9			20	
1,2,4-Trimethylbenzene	1.396902	12.4			20	
1,3,5-Trimethylbenzene	1.283313	10.8			20	
Vinyl Acetate	0.6095244	9.9			20	
Vinyl Chloride	0.2174587	13.9			20	
m+p Xylene	1.393248	7.6			20	
o-Xylene	1.363976	7.5			20	
1,2-Dichloroethane-d4	0.4950766	2.1			20	
Toluene-d8	1.190889	1.2			20	
4-Bromofluorobenzene	0.8597184	2.0			20	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100	118	7.159683E-02	0.0843061		17.8	
Acrolein	A	100	26.9	5.172498E-02	1.393018E-02		-73.1	
Acrylonitrile	A	10.0	10.1	0.1052471	0.1061924		0.9	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.1	0.7209663	0.7277661		0.9	
Benzene	A	10.0	9.89	1.222011	1.208739		-1.1	
Bromobenzene	A	10.0	10.8	0.6260948	0.6740082		7.7	
Bromochloromethane	A	10.0	10.8	0.2164615	0.2331615		7.7	
Bromodichloromethane	A	10.0	10.0	0.2476398	0.2478625		0.09	
Bromoform	A	10.0	11.2	0.2154443	0.2416618		12.2	
Bromomethane	A	10.0	10.2	0.1573628	0.1613513		2.5	
2-Butanone (MEK)	A	100	97.2	0.121202	0.1178482		-2.8	
tert-Butyl Alcohol (TBA)	A	100	92.8	2.292431E-02	2.128412E-02		-7.2	
n-Butylbenzene	A	10.0	10.8	1.352282	1.457815		7.8	
sec-Butylbenzene	A	10.0	11.4	1.802855	2.05115		13.8	
tert-Butylbenzene	A	10.0	11.0	1.253487	1.374203		9.6	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.3	0.79178	0.8134363		2.7	
Carbon Disulfide	A	10.0	11.6	0.7967695	0.9219723		15.7	
Carbon Tetrachloride	A	10.0	10.4	0.3758494	0.3890706		3.5	
Chlorobenzene	A	10.0	10.9	1.046329	1.137532		8.7	
Chlorodibromomethane	A	10.0	9.88	0.1869851	0.1846562		-1.2	
Chloroethane	A	10.0	8.74	0.1804872	0.1577612		-12.6	
Chloroform	A	10.0	10.1	0.5125747	0.5193928		1.3	
Chloromethane	A	10.0	8.04	0.3417516	0.2746975		-19.6	
2-Chlorotoluene	A	10.0	10.3	1.177333	1.209157		2.7	
4-Chlorotoluene	A	10.0	11.0	1.18012	1.302553		10.4	
Cyclohexane	A	10.0	10.8	0.5311212	0.5737267		8.0	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.8	6.088938E-02	6.606279E-02		8.5	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.1626881	0.1713314		5.3	
Dibromomethane	A	10.0	9.86	0.1175663	0.1159479		-1.4	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.0	0.7237142	0.7933398		9.6	
1,3-Dichlorobenzene	A	10.0	11.3	0.807913	0.9105337		12.7	
1,4-Dichlorobenzene	A	10.0	10.8	0.8249951	0.8930705		8.3	
trans-1,4-Dichloro-2-butene	A	10.0	9.45	0.1075568	0.1016926		-5.5	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.40	0.388165	0.3648793		-6.0	
1,1-Dichloroethane	A	10.0	10.4	0.5225156	0.5461735		4.5	
1,2-Dichloroethane	A	10.0	9.49	0.257927	0.2447904		-5.1	
1,1-Dichloroethylene	A	10.0	10.0	0.4222399	0.4229525		0.2	
cis-1,2-Dichloroethylene	A	10.0	10.2	0.4139672	0.4199944		1.5	
trans-1,2-Dichloroethylene	A	10.0	10.1	0.4209055	0.4242516		0.8	
Dichlorofluoromethane (Freon 21)	A	10.0	10.3	0.5179793	0.5341042		3.1	
1,2-Dichloropropane	A	10.0	10.5	0.2033845	0.2137053		5.1	
1,3-Dichloropropane	A	10.0	10.0	0.2792627	0.2791294		-0.05	
2,2-Dichloropropane	A	10.0	10.1	0.3895988	0.393872		1.1	
1,1-Dichloropropene	A	10.0	10.3	0.4005375	0.410769		2.6	
cis-1,3-Dichloropropene	A	10.0	10.2	0.3065878	0.3137168		2.3	
trans-1,3-Dichloropropene	A	10.0	10.6	0.2426863	0.2577698		6.2	
Diethyl Ether	A	10.0	11.2	0.1934383	0.2167911		12.1	
Difluorochloromethane (Freon 22)	A	10.0	9.13	0.4034106	0.3682412		-8.7	
Diisopropyl Ether (DIPE)	A	10.0	10.8	0.8727756	0.9401772		7.7	
1,4-Dioxane	A	100	90.0	2.088244E-03	1.879041E-03		-10.0	
Ethyl Acetate	A	10.0	9.91	0.2454666	0.2433524		-0.9	
Ethylbenzene	A	10.0	10.9	1.760677	1.925684		9.4	
Hexachlorobutadiene	A	10.0	11.2	0.2072355	0.2316274		11.8	
2-Hexanone (MBK)	A	100	105	0.1139797	0.1199556		5.2	
Iodomethane	A	10.0	13.4	0.3812631	0.5110365		34.0	
Isopropylbenzene (Cumene)	A	10.0	10.7	1.744379	1.861856		6.7	
p-Isopropyltoluene (p-Cymene)	A	10.0	11.3	1.469487	1.666029		13.4	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.7	0.2306531	0.2475042		7.3	
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.73	0.703102	0.6843079		-2.7	
Methyl Cyclohexane	A	10.0	11.2	0.3318229	0.3703668		11.6	
Methylene Chloride	A	10.0	9.72	0.3681109	0.357945		-2.8	
4-Methyl-2-pentanone (MIBK)	A	100	99.8	0.1679712	0.1676582		-0.2	
Naphthalene	A	10.0	10.0	0.771276	0.7735024		0.3	
n-Propylbenzene	A	10.0	10.7	2.023007	2.16112		6.8	
Styrene	A	10.0	10.9	1.00575	1.094303		8.8	
1,1,1,2-Tetrachloroethane	A	10.0	11.1	0.3436871	0.382941		11.4	
1,1,2,2-Tetrachloroethane	A	10.0	10.8	0.3970277	0.4295891		8.2	
Tetrachloroethylene	A	10.0	10.4	0.2229981	0.2310536		3.6	
Tetrahydrofuran	A	10.0	9.60	7.719281E-02	7.410994E-02		-4.0	
Toluene	A	10.0	10.3	0.8432327	0.8720301		3.4	
1,2,3-Trichlorobenzene	A	10.0	10.7	0.2664118	0.2854044		7.1	
1,2,4-Trichlorobenzene	A	10.0	10.8	0.3606225	0.3889538		7.9	
1,3,5-Trichlorobenzene	A	10.0	11.3	0.4526021	0.5128841		13.3	
1,1,1-Trichloroethane	A	10.0	10.7	0.4099857	0.4380676		6.8	
1,1,2-Trichloroethane	A	10.0	10.5	0.1579222	0.1658597		5.0	
Trichloroethylene	A	10.0	10.6	0.2016221	0.21459		6.4	
Trichlorofluoromethane (Freon 11)	A	10.0	9.84	0.439477	0.4323621		-1.6	
1,2,3-Trichloropropane	A	10.0	11.0	0.304366	0.3347584		10.0	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.8	0.2881461	0.3111336		8.0	
1,2,3-Trimethylbenzene	A	10.0	10.8	1.37952	1.485161		7.7	
1,2,4-Trimethylbenzene	A	10.0	11.0	1.396902	1.529227		9.5	
1,3,5-Trimethylbenzene	A	10.0	11.0	1.283313	1.411956		10.0	
Vinyl Acetate	A	100	88.6	0.6095244	0.5402995		-11.4	
Vinyl Chloride	A	10.0	9.69	0.2174587	0.2107082		-3.1	
m+p Xylene	A	20.0	21.7	1.393248	1.514709		8.7	
o-Xylene	A	10.0	11.0	1.363976	1.494797		9.6	

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V11703.D	Calibration Date:	01/04/22 07:35
Sequence:	S070900	Injection Date:	04/27/22
Lab Sample ID:	S070900-CCV1	Injection Time:	10:42

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	104	7.159683E-02	7.424854E-02		3.7	20	
Benzene	A	10.0	8.60	1.222011	1.051207		-14.0	20	
Bromochloromethane	A	10.0	8.91	0.2164615	0.1928332		-10.9	20	
Bromodichloromethane	A	10.0	9.79	0.2476398	0.2424723		-2.1	20	
Bromoform	A	10.0	12.4	0.2154443	0.2677587		24.3	20	*
Bromomethane	A	10.0	16.2	0.1573628	0.2551403		62.1	20	*
2-Butanone (MEK)	A	100	88.8	0.121202	0.1076235		-11.2	20	
Carbon Disulfide	A	100	112	0.7967695	0.8960575		12.5	20	
Carbon Tetrachloride	A	10.0	10.4	0.3758494	0.3903408		3.9	20	
Chlorobenzene	A	10.0	10.1	1.046329	1.056009		0.9	20	
Chlorodibromomethane	A	10.0	10.1	0.1869851	0.1888619		1.0	20	
Chloroethane	A	10.0	12.0	0.1804872	0.2160092		19.7	20	
Chloroform	A	10.0	9.43	0.5125747	0.4831426		-5.7	20	
Chloromethane	A	10.0	10.6	0.3417516	0.361057		5.6	20	
Cyclohexane	A	10.0	8.27	0.5311212	0.4393193		-17.3	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	11.7	6.088938E-02	7.122872E-02		17.0	20	
1,2-Dibromoethane (EDB)	A	10.0	10.4	0.1626881	0.169721		4.3	20	
1,2-Dichlorobenzene	A	10.0	9.82	0.7237142	0.7108838		-1.8	20	
1,3-Dichlorobenzene	A	10.0	9.88	0.807913	0.7985692		-1.2	20	
1,4-Dichlorobenzene	A	10.0	9.98	0.8249951	0.823592		-0.2	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.1	0.388165	0.3907059		0.7	20	
1,1-Dichloroethane	A	10.0	8.78	0.5225156	0.4589962		-12.2	20	
1,2-Dichloroethane	A	10.0	9.06	0.257927	0.2338053		-9.4	20	
1,1-Dichloroethylene	A	10.0	10.9	0.4222399	0.4613467		9.3	20	
cis-1,2-Dichloroethylene	A	10.0	8.85	0.4139672	0.3664081		-11.5	20	
trans-1,2-Dichloroethylene	A	10.0	8.52	0.4209055	0.3584127		-14.8	20	
1,2-Dichloropropane	A	10.0	8.61	0.2033845	0.1750513		-13.9	20	
cis-1,3-Dichloropropene	A	10.0	8.59	0.3065878	0.2632455		-14.1	20	
trans-1,3-Dichloropropene	A	10.0	8.88	0.2426863	0.2154172		-11.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V11703.D	Calibration Date:	01/04/22 07:35
Sequence:	S070900	Injection Date:	04/27/22
Lab Sample ID:	S070900-CCV1	Injection Time:	10:42

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	88.3	2.088244E-03	1.843026E-03		-11.7	20
Ethylbenzene	A	10.0	9.99	1.760677	1.759678		-0.06	20
2-Hexanone (MBK)	A	100	94.1	0.1139797	0.1072117		-5.9	20
Isopropylbenzene (Cumene)	A	10.0	10.1	1.744379	1.757696		0.8	20
Methyl Acetate	A	10.0	10.3	0.2306531	0.2383838		3.4	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.26	0.703102	0.651402		-7.4	20
Methyl Cyclohexane	A	10.0	9.07	0.3318229	0.3011239		-9.3	20
Methylene Chloride	A	10.0	10.5	0.3681109	0.385061		4.6	20
4-Methyl-2-pentanone (MIBK)	A	100	91.7	0.1679712	0.1540047		-8.3	20
Styrene	A	10.0	10.1	1.00575	1.017004		1.1	20
1,1,2,2-Tetrachloroethane	A	10.0	11.1	0.3970277	0.4405369		11.0	20
Tetrachloroethylene	A	10.0	9.80	0.2229981	0.2185913		-2.0	20
Toluene	A	10.0	9.19	0.8432327	0.7751549		-8.1	20
1,2,3-Trichlorobenzene	A	10.0	11.8	0.2664118	0.3133137		17.6	20
1,2,4-Trichlorobenzene	A	10.0	10.5	0.3606225	0.3773268		4.6	20
1,1,1-Trichloroethane	A	10.0	10.2	0.4099857	0.4190726		2.2	20
1,1,2-Trichloroethane	A	10.0	10.0	0.1579222	0.1579943		0.05	20
Trichloroethylene	A	10.0	9.62	0.2016221	0.1939754		-3.8	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.3	0.439477	0.4972191		13.1	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.3	0.2881461	0.3266626		13.4	20
Vinyl Chloride	A	10.0	9.46	0.2174587	0.205779		-5.4	20
m+p Xylene	A	20.0	19.8	1.393248	1.377936		-1.1	20
o-Xylene	A	10.0	9.76	1.363976	1.331374		-2.4	20
1,2-Dichloroethane-d4	A	25.0	26.4	0.4950766	0.5221437		5.5	
Toluene-d8	A	25.0	24.3	1.190889	1.157531		-2.8	
4-Bromofluorobenzene	A	25.0	25.1	0.8597184	0.8631076		0.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-FNCH-MW-4D

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B307036	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B307036-MS3
Initial/Final:	875 mL / 1 mL	Sample Lab ID:	22D1653-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Atrazine	57.1	ND	53.7	94.0		40 - 140
Benzaldehyde	57.1	ND	43.1	75.4		40 - 140
Biphenyl	57.1	ND	52.6	92.1		40 - 140
Caprolactam	57.1	ND	16.3	28.5	*	40 - 140
Acenaphthene	57.1	ND	45.2	79.1		40 - 140
Acenaphthylene	57.1	ND	47.2	82.5		40 - 140
Acetophenone	57.1	ND	47.0	82.3		40 - 140
Anthracene	57.1	ND	50.0	87.4		40 - 140
Benzo(a)anthracene	57.1	ND	48.9	85.5		40 - 140
Benzo(a)pyrene	57.1	ND	51.2	89.7		40 - 140
Benzo(b)fluoranthene	57.1	ND	51.7	90.5		40 - 140
Benzo(g,h,i)perylene	57.1	ND	50.1	87.7		40 - 140
Benzo(k)fluoranthene	57.1	ND	54.9	96.0		40 - 140
Bis(2-chloroethoxy)methane	57.1	ND	43.3	75.8		40 - 140
Bis(2-chloroethyl)ether	57.1	ND	37.2	65.2		40 - 140
Bis(2-chloroisopropyl)ether	57.1	ND	39.5	69.1		40 - 140
Bis(2-Ethylhexyl)phthalate	57.1	ND	44.6	78.0		40 - 140
4-Bromophenylphenylether	57.1	ND	49.0	85.8		40 - 140
Butylbenzylphthalate	57.1	ND	41.2	72.0		40 - 140
Carbazole	57.1	ND	50.1	87.7		40 - 140
4-Chloroaniline	57.1	ND	35.2	61.6		40 - 140
4-Chloro-3-methylphenol	57.1	ND	44.3	77.5		30 - 130
2-Chloronaphthalene	57.1	ND	46.4	81.2		40 - 140
2-Chlorophenol	57.1	ND	42.1	73.7		30 - 130
4-Chlorophenylphenylether	57.1	ND	51.3	89.9		40 - 140
Chrysene	57.1	ND	48.8	85.4		40 - 140
Dibenz(a,h)anthracene	57.1	ND	49.2	86.2		40 - 140
Dibenzofuran	57.1	ND	53.7	94.0		40 - 140
Di-n-butylphthalate	57.1	ND	46.2	80.9		40 - 140
3,3-Dichlorobenzidine	57.1	ND	45.9	80.4		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-FNCH-MW-4D

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B307036	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B307036-MSD3
Initial/Final:	870 mL / 1 mL	Sample Lab ID:	22D1653-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	57.5	53.0	92.2		1.34	30	40 - 140
Benzaldehyde	57.5	44.9	78.1		4.06	30	40 - 140
Biphenyl	57.5	48.8	85.0		7.45	30	40 - 140
Caprolactam	57.5	15.6	27.1	*	4.39	30	40 - 140
Acenaphthene	57.5	44.6	77.6		1.37	30	40 - 140
Acenaphthylene	57.5	44.1	76.7		6.69	30	40 - 140
Acetophenone	57.5	45.7	79.5		2.84	30	40 - 140
Anthracene	57.5	46.3	80.5		7.62	30	40 - 140
Benzo(a)anthracene	57.5	46.0	80.1		5.95	30	40 - 140
Benzo(a)pyrene	57.5	47.4	82.5		7.82	30	40 - 140
Benzo(b)fluoranthene	57.5	48.2	83.9		6.98	30	40 - 140
Benzo(g,h,i)perylene	57.5	42.6	74.1		16.2	30	40 - 140
Benzo(k)fluoranthene	57.5	49.9	86.8		9.54	30	40 - 140
Bis(2-chloroethoxy)methane	57.5	42.7	74.3		1.51	30	40 - 140
Bis(2-chloroethyl)ether	57.5	37.8	65.7		1.40	30	40 - 140
Bis(2-chloroisopropyl)ether	57.5	41.5	72.2		4.93	30	40 - 140
Bis(2-Ethylhexyl)phthalate	57.5	41.4	72.0		7.46	30	40 - 140
4-Bromophenylphenylether	57.5	45.3	78.8		7.91	30	40 - 140
Butylbenzylphthalate	57.5	39.9	69.5		2.99	30	40 - 140
Carbazole	57.5	46.0	80.0		8.63	30	40 - 140
4-Chloroaniline	57.5	38.6	67.1		9.24	30	40 - 140
4-Chloro-3-methylphenol	57.5	43.2	75.2		2.41	30	30 - 130
2-Chloronaphthalene	57.5	42.5	74.0		8.74	30	40 - 140
2-Chlorophenol	57.5	40.4	70.3		4.23	30	30 - 130
4-Chlorophenylphenylether	57.5	47.1	81.9		8.72	30	40 - 140
Chrysene	57.5	45.4	79.0		7.14	30	40 - 140
Dibenz(a,h)anthracene	57.5	42.8	74.5		14.0	30	40 - 140
Dibenzofuran	57.5	50.1	87.2		6.96	30	40 - 140
Di-n-butylphthalate	57.5	43.1	75.0		7.05	30	40 - 140
3,3-Dichlorobenzidine	57.5	47.9	83.3		4.07	30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B307036	Laboratory ID:	B307036-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	46.4	92.9		40 - 140
Benzaldehyde	50.0	33.5	67.1		40 - 140
Biphenyl	50.0	38.0	76.0		40 - 140
Caprolactam	50.0	13.2	26.4	*	40 - 140
Acenaphthene	50.0	33.7	67.4		40 - 140
Acenaphthylene	50.0	35.3	70.5		40 - 140
Acetophenone	50.0	35.3	70.6		40 - 140
Anthracene	50.0	38.7	77.4		40 - 140
Benzo(a)anthracene	50.0	38.4	76.7		40 - 140
Benzo(a)pyrene	50.0	39.8	79.6		40 - 140
Benzo(b)fluoranthene	50.0	39.7	79.4		40 - 140
Benzo(g,h,i)perylene	50.0	40.5	81.0		40 - 140
Benzo(k)fluoranthene	50.0	42.0	84.0		40 - 140
Bis(2-chloroethoxy)methane	50.0	34.1	68.1		40 - 140
Bis(2-chloroethyl)ether	50.0	28.2	56.5		40 - 140
Bis(2-chloroisopropyl)ether	50.0	31.4	62.9		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	34.4	68.8		40 - 140
4-Bromophenylphenylether	50.0	37.2	74.4		40 - 140
Butylbenzylphthalate	50.0	33.8	67.5		40 - 140
Carbazole	50.0	39.1	78.1		40 - 140
4-Chloroaniline	50.0	34.9	69.8		40 - 140
4-Chloro-3-methylphenol	50.0	36.2	72.4		30 - 130
2-Chloronaphthalene	50.0	34.3	68.6		40 - 140
2-Chlorophenol	50.0	29.7	59.4		30 - 130
4-Chlorophenylphenylether	50.0	38.4	76.8		40 - 140
Chrysene	50.0	38.2	76.4		40 - 140
Dibenz(a,h)anthracene	50.0	40.0	80.0		40 - 140
Dibenzofuran	50.0	40.2	80.5		40 - 140
Di-n-butylphthalate	50.0	36.8	73.5		40 - 140
3,3-Dichlorobenzidine	50.0	39.5	78.9		40 - 140
2,4-Dichlorophenol	50.0	35.4	70.9		30 - 130
Diethylphthalate	50.0	38.5	77.0		40 - 140
2,4-Dimethylphenol	50.0	30.0	59.9		30 - 130
Dimethylphthalate	50.0	36.9	73.7		40 - 140
4,6-Dinitro-2-methylphenol	50.0	37.7	75.3		30 - 130
2,4-Dinitrophenol	50.0	35.1	70.2		30 - 130
2,4-Dinitrotoluene	50.0	42.0	83.9		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B307036	Laboratory ID:	B307036-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,6-Dinitrotoluene	50.0	41.5	83.0	40 - 140
Di-n-octylphthalate	50.0	33.1	66.2	40 - 140
Fluoranthene	50.0	40.2	80.4	40 - 140
Fluorene	50.0	39.3	78.6	40 - 140
Hexachlorobenzene	50.0	39.6	79.2	40 - 140
Hexachlorobutadiene	50.0	32.9	65.7	40 - 140
Hexachlorocyclopentadiene	50.0	29.4	58.8	30 - 140
Hexachloroethane	50.0	25.9	51.8	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	39.7	79.4	40 - 140
Isophorone	50.0	38.5	77.1	40 - 140
2-Methylnaphthalene	50.0	38.4	76.7	40 - 140
2-Methylphenol	50.0	31.7	63.4	30 - 130
3/4-Methylphenol	50.0	29.1	58.2	30 - 130
Naphthalene	50.0	32.4	64.7	40 - 140
2-Nitroaniline	50.0	36.1	72.1	40 - 140
3-Nitroaniline	50.0	36.5	73.0	40 - 140
4-Nitroaniline	50.0	41.6	83.2	40 - 140
Nitrobenzene	50.0	32.9	65.8	40 - 140
2-Nitrophenol	50.0	33.6	67.3	30 - 130
4-Nitrophenol	50.0	22.7	45.4	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	39.0	78.1	40 - 140
N-Nitrosodi-n-propylamine	50.0	34.6	69.1	40 - 140
Pentachlorophenol	50.0	32.9	65.8	30 - 130
Phenanthrene	50.0	38.6	77.2	40 - 140
Phenol	50.0	13.9	27.8	20 - 130
Pyrene	50.0	38.4	76.8	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	36.7	73.4	40 - 140
2,4,5-Trichlorophenol	50.0	42.0	83.9	30 - 130
2,4,6-Trichlorophenol	50.0	37.7	75.4	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	50.0	44.0	88.0		5.35	20	40 - 140
Benzaldehyde	50.0	29.3	58.6		13.6	20	40 - 140
Biphenyl	50.0	37.1	74.2		2.34	20	40 - 140
Caprolactam	50.0	12.8	25.7	*	2.84	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B307144	Laboratory ID:	B307144-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	45.1	90.3		40 - 140
Benzaldehyde	50.0	36.0	72.1		40 - 140
Biphenyl	50.0	38.4	76.7		40 - 140
Caprolactam	50.0	13.7	27.3	*	40 - 140
Acenaphthene	50.0	33.5	67.0		40 - 140
Acenaphthylene	50.0	34.8	69.6		40 - 140
Acetophenone	50.0	36.0	71.9		40 - 140
Anthracene	50.0	38.8	77.5		40 - 140
Benzo(a)anthracene	50.0	38.3	76.6		40 - 140
Benzo(a)pyrene	50.0	40.1	80.2		40 - 140
Benzo(b)fluoranthene	50.0	40.5	81.0		40 - 140
Benzo(g,h,i)perylene	50.0	40.5	81.0		40 - 140
Benzo(k)fluoranthene	50.0	42.4	84.7		40 - 140
Bis(2-chloroethoxy)methane	50.0	33.9	67.8		40 - 140
Bis(2-chloroethyl)ether	50.0	28.6	57.3		40 - 140
Bis(2-chloroisopropyl)ether	50.0	30.3	60.6		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	32.6	65.2		40 - 140
4-Bromophenylphenylether	50.0	37.6	75.3		40 - 140
Butylbenzylphthalate	50.0	31.9	63.9		40 - 140
Carbazole	50.0	38.7	77.4		40 - 140
4-Chloroaniline	50.0	45.0	90.1		40 - 140
4-Chloro-3-methylphenol	50.0	35.2	70.3		30 - 130
2-Chloronaphthalene	50.0	33.3	66.6		40 - 140
2-Chlorophenol	50.0	31.2	62.3		30 - 130
4-Chlorophenylphenylether	50.0	38.0	75.9		40 - 140
Chrysene	50.0	38.2	76.4		40 - 140
Dibenz(a,h)anthracene	50.0	40.5	81.1		40 - 140
Dibenzofuran	50.0	40.1	80.1		40 - 140
Di-n-butylphthalate	50.0	35.4	70.7		40 - 140
3,3-Dichlorobenzidine	50.0	46.7	93.3		40 - 140
2,4-Dichlorophenol	50.0	36.7	73.4		30 - 130
Diethylphthalate	50.0	36.9	73.8		40 - 140
2,4-Dimethylphenol	50.0	32.6	65.1		30 - 130
Dimethylphthalate	50.0	36.5	73.0		40 - 140
4,6-Dinitro-2-methylphenol	50.0	36.6	73.1		30 - 130
2,4-Dinitrophenol	50.0	30.6	61.3		30 - 130
2,4-Dinitrotoluene	50.0	41.3	82.6		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B307144	Laboratory ID:	B307144-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,6-Dinitrotoluene	50.0	40.3	80.5	40 - 140
Di-n-octylphthalate	50.0	31.2	62.3	40 - 140
Fluoranthene	50.0	38.9	77.7	40 - 140
Fluorene	50.0	38.6	77.3	40 - 140
Hexachlorobenzene	50.0	40.2	80.4	40 - 140
Hexachlorobutadiene	50.0	34.5	69.0	40 - 140
Hexachlorocyclopentadiene	50.0	31.1	62.1	30 - 140
Hexachloroethane	50.0	28.2	56.5	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	40.0	80.0	40 - 140
Isophorone	50.0	37.8	75.7	40 - 140
2-Methylnaphthalene	50.0	37.9	75.8	40 - 140
2-Methylphenol	50.0	32.1	64.2	30 - 130
3/4-Methylphenol	50.0	29.7	59.4	30 - 130
Naphthalene	50.0	33.7	67.3	40 - 140
2-Nitroaniline	50.0	36.6	73.1	40 - 140
3-Nitroaniline	50.0	41.6	83.1	40 - 140
4-Nitroaniline	50.0	41.6	83.2	40 - 140
Nitrobenzene	50.0	33.6	67.3	40 - 140
2-Nitrophenol	50.0	34.8	69.6	30 - 130
4-Nitrophenol	50.0	21.4	42.8	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	38.6	77.2	40 - 140
N-Nitrosodi-n-propylamine	50.0	33.9	67.9	40 - 140
Pentachlorophenol	50.0	32.0	64.0	30 - 130
Phenanthrene	50.0	38.0	75.9	40 - 140
Phenol	50.0	16.6	33.2	20 - 130
Pyrene	50.0	38.1	76.2	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	37.7	75.4	40 - 140
2,4,5-Trichlorophenol	50.0	42.4	84.7	30 - 130
2,4,6-Trichlorophenol	50.0	38.8	77.6	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	50.0	43.6	87.3		3.36	20	40 - 140
Benzaldehyde	50.0	32.3	64.6		10.9	20	40 - 140
Biphenyl	50.0	36.8	73.5		4.29	20	40 - 140
Caprolactam	50.0	13.2	26.4	*	3.35	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B307144	Laboratory ID:	B307144-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.0	31.6	63.3	5.65		20	40 - 140
Acenaphthylene	50.0	34.2	68.4	1.77		20	40 - 140
Acetophenone	50.0	32.3	64.6	10.8		20	40 - 140
Anthracene	50.0	37.6	75.3	2.91		20	40 - 140
Benzo(a)anthracene	50.0	35.4	70.7	8.03		20	40 - 140
Benzo(a)pyrene	50.0	37.2	74.4	7.40		20	40 - 140
Benzo(b)fluoranthene	50.0	37.7	75.4	7.16		20	40 - 140
Benzo(g,h,i)perylene	50.0	35.7	71.4	12.6		20	40 - 140
Benzo(k)fluoranthene	50.0	39.5	79.0	6.91		20	40 - 140
Bis(2-chloroethoxy)methane	50.0	32.4	64.7	4.71		20	40 - 140
Bis(2-chloroethyl)ether	50.0	24.0	47.9	17.8		20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	24.4	48.9	21.4	*	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	30.7	61.5	5.97		20	40 - 140
4-Bromophenylphenylether	50.0	37.4	74.8	0.666		20	40 - 140
Butylbenzylphthalate	50.0	29.6	59.2	7.64		20	40 - 140
Carbazole	50.0	37.2	74.3	4.01		20	40 - 140
4-Chloroaniline	50.0	43.6	87.3	3.20		20	40 - 140
4-Chloro-3-methylphenol	50.0	33.0	66.1	6.25		20	30 - 130
2-Chloronaphthalene	50.0	31.8	63.7	4.48		20	40 - 140
2-Chlorophenol	50.0	28.3	56.7	9.55		20	30 - 130
4-Chlorophenylphenylether	50.0	36.4	72.8	4.22		20	40 - 140
Chrysene	50.0	36.0	72.1	5.87		20	40 - 140
Dibenz(a,h)anthracene	50.0	35.4	70.7	13.7		20	40 - 140
Dibenzofuran	50.0	38.6	77.1	3.87		20	40 - 140
Di-n-butylphthalate	50.0	32.9	65.8	7.24		20	40 - 140
3,3-Dichlorobenzidine	50.0	43.5	87.0	6.96		20	40 - 140
2,4-Dichlorophenol	50.0	35.4	70.7	3.75		20	30 - 130
Diethylphthalate	50.0	35.0	70.0	5.31		20	40 - 140
2,4-Dimethylphenol	50.0	32.1	64.3	1.30		20	30 - 130
Dimethylphthalate	50.0	35.2	70.3	3.77		50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	36.8	73.7	0.708		50	30 - 130
2,4-Dinitrophenol	50.0	33.1	66.2	7.69		50	30 - 130
2,4-Dinitrotoluene	50.0	39.5	79.0	4.48		20	40 - 140
2,6-Dinitrotoluene	50.0	38.7	77.4	3.98		20	40 - 140
Di-n-octylphthalate	50.0	30.8	61.5	1.26		20	40 - 140
Fluoranthene	50.0	40.4	80.8	3.94		20	40 - 140
Fluorene	50.0	37.2	74.3	3.85		20	40 - 140

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S094022.D	Calibration Date:	04/04/22 08:41
Sequence:	S070338	Injection Date:	03/08/22
Lab Sample ID:	S070338-ICV1	Injection Time:	14:52

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	42.2	0.3639342	0.3073885		-15.5	30
Diethylphthalate	A	50.0	40.8	1.628092	1.328348		-18.4	30
2,4-Dimethylphenol	A	50.0	42.4	0.3977545	0.3371349		-15.2	30
Dimethylphthalate	A	50.0	39.5	1.646667	1.302262		-20.9	30
4,6-Dinitro-2-methylphenol	L	50.0	43.7	0.1491476	0.1303645		-12.6	30
2,4-Dinitrophenol	A	50.0	40.4	0.2184121	0.1763921		-19.2	30
2,4-Dinitrotoluene	A	50.0	43.2	0.4597808	0.3974517		-13.6	30
2,6-Dinitrotoluene	A	50.0	45.0	0.343774	0.3090889		-10.1	30
Di-n-octylphthalate	A	50.0	41.9	2.341219	1.960458		-16.3	30
Fluoranthene	A	50.0	43.6	1.326594	1.155978		-12.9	30
Fluorene	A	50.0	42.3	1.46524	1.238475		-15.5	30
Hexachlorobenzene	A	50.0	44.5	0.2393112	0.2128873		-11.0	30
Hexachlorobutadiene	A	50.0	44.4	0.1792408	0.1591696		-11.2	30
Hexachlorocyclopentadiene	A	50.0	48.2	0.3446344	0.3321126		-3.6	30
Hexachloroethane	A	50.0	45.7	0.7036808	0.6432059		-8.6	30
Indeno(1,2,3-cd)pyrene	A	50.0	42.1	1.10209	0.9277616		-15.8	30
Isophorone	A	50.0	50.2	0.8047004	0.8076209		0.4	30
2-Methylnaphthalene	A	50.0	46.7	0.6884755	0.6429296		-6.6	30
2-Methylphenol	A	50.0	50.8	1.553194	1.578433		1.6	30
3/4-Methylphenol	A	50.0	49.7	1.732615	1.722527		-0.6	30
Naphthalene	A	50.0	44.6	1.173781	1.046078		-10.9	30
2-Nitroaniline	A	50.0	55.1	0.4975791	0.5484092		10.2	30
3-Nitroaniline	A	50.0	38.5	0.3949801	0.3041036		-23.0	30
4-Nitroaniline	A	50.0	45.4	0.3994338	0.3630753		-9.1	30
Nitrobenzene	A	50.0	47.6	0.4607835	0.438561		-4.8	30
2-Nitrophenol	A	50.0	43.5	0.2370074	0.2059922		-13.1	30
4-Nitrophenol	A	50.0	40.7	0.2463673	0.2005733		-18.6	30
N-Nitrosodiphenylamine/Diphenylamine	A	50.0	45.1	0.6910872	0.6249859		-9.6	30
N-Nitrosodi-n-propylamine	A	50.0	48.1	1.226752	1.181179		-3.7	30
Pentachlorophenol	A	50.0	43.9	0.1578667	0.1386739		-12.2	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S120004.D	Calibration Date:	04/04/22 08:41
Sequence:	S071097	Injection Date:	04/30/22
Lab Sample ID:	S071097-CCV1	Injection Time:	10:34

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.0	50.1	1.613687	1.615861		0.1	20	
Acenaphthene	A	50.0	46.1	1.372946	1.266145		-7.8	20	
Acenaphthylene	A	50.0	48.9	2.188014	2.139058		-2.2	20	
Acetophenone	A	50.0	44.2	2.27581	2.010938		-11.6	20	
Anthracene	A	50.0	48.1	1.249074	1.201011		-3.8	20	
Benzo(a)anthracene	A	50.0	50.0	1.543954	1.543905		-0.003	20	
Benzo(a)pyrene	A	50.0	51.0	1.308666	1.336178		2.1	20	
Benzo(b)fluoranthene	A	50.0	51.0	1.509432	1.53921		2.0	20	
Benzo(g,h,i)perylene	A	50.0	50.8	1.131917	1.149647		1.6	20	
Benzo(k)fluoranthene	A	50.0	50.9	1.329068	1.352516		1.8	20	
Bis(2-chloroethoxy)methane	A	50.0	46.0	0.5181659	0.4769872		-7.9	20	
Bis(2-chloroethyl)ether	A	50.0	35.2	1.603576	1.128669		-29.6	20	*
Bis(2-chloroisopropyl)ether	A	50.0	31.2	2.989072	1.866756		-37.5	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	45.0	1.229657	1.106128		-10.0	20	
4-Bromophenylphenylether	A	50.0	53.0	0.2243946	0.2380762		6.1	20	
Butylbenzylphthalate	A	50.0	46.3	0.9513588	0.8801345		-7.5	20	
Carbazole	A	50.0	49.2	1.204311	1.185888		-1.5	20	
4-Chloroaniline	A	50.0	46.3	0.4167645	0.3860342		-7.4	20	
4-Chloro-3-methylphenol	A	50.0	52.1	0.4023861	0.4195321		4.3	20	
2-Chloronaphthalene	A	50.0	52.7	1.560881	1.64578		5.4	20	
2-Chlorophenol	A	50.0	44.4	1.803142	1.601379		-11.2	20	
4-Chlorophenylphenylether	A	50.0	52.2	0.7253942	0.7573464		4.4	20	
Chrysene	A	50.0	50.2	1.422249	1.427274		0.4	20	
Dibenz(a,h)anthracene	A	50.0	49.9	1.149626	1.146886		-0.2	20	
Dibenzofuran	A	50.0	49.6	1.764101	1.750476		-0.8	20	
Di-n-butylphthalate	A	50.0	46.7	1.65418	1.545233		-6.6	20	
3,3-Dichlorobenzidine	A	50.0	51.8	0.526821	0.5456559		3.6	20	
2,4-Dichlorophenol	A	50.0	52.6	0.3639342	0.3828722		5.2	20	
Diethylphthalate	A	50.0	48.3	1.628092	1.5729		-3.4	20	
2,4-Dimethylphenol	A	50.0	47.8	0.3977545	0.3802539		-4.4	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S124020.D	Calibration Date:	04/04/22 08:41
Sequence:	S071262	Injection Date:	05/04/22
Lab Sample ID:	S071262-CCV1	Injection Time:	15:24

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Atrazine	A	50.0	-725	0.3773886	-213512.4		-56600000	20	*
Benzaldehyde	A	50.0	0.00	1.248981				20	
Biphenyl	A	50.0	50.1	1.613687	1.617853		0.3	20	
Caprolactam	A	50.0	0.00	0.1075265				20	
Acenaphthene	A	50.0	45.6	1.372946	1.252457		-8.8	20	
Acenaphthylene	A	50.0	48.8	2.188014	2.134443		-2.4	20	
Acetophenone	A	50.0	46.4	2.27581	2.113363		-7.1	20	
Anthracene	A	50.0	49.0	1.249074	1.224767		-1.9	20	
Benzo(a)anthracene	A	50.0	49.5	1.543954	1.529713		-0.9	20	
Benzo(a)pyrene	A	50.0	51.1	1.308666	1.33768		2.2	20	
Benzo(b)fluoranthene	A	50.0	52.5	1.509432	1.584992		5.0	20	
Benzo(g,h,i)perylene	A	50.0	42.2	1.131917	0.9542076		-15.7	20	
Benzo(k)fluoranthene	A	50.0	52.0	1.329068	1.382341		4.0	20	
Bis(2-chloroethoxy)methane	A	50.0	47.2	0.5181659	0.4888783		-5.7	20	
Bis(2-chloroethyl)ether	A	50.0	40.6	1.603576	1.302987		-18.7	20	
Bis(2-chloroisopropyl)ether	A	50.0	38.1	2.989072	2.27697		-23.8	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	47.6	1.229657	1.170824		-4.8	20	
4-Bromophenylphenylether	A	50.0	53.2	0.2243946	0.2386268		6.3	20	
Butylbenzylphthalate	A	50.0	47.4	0.9513588	0.9021405		-5.2	20	
Carbazole	A	50.0	48.7	1.204311	1.173567		-2.6	20	
4-Chloroaniline	A	50.0	47.6	0.4167645	0.3966321		-4.8	20	
4-Chloro-3-methylphenol	A	50.0	50.0	0.4023861	0.4019704		-0.1	20	
2-Chloronaphthalene	A	50.0	48.4	1.560881	1.510846		-3.2	20	
2-Chlorophenol	A	50.0	47.2	1.803142	1.700586		-5.7	20	
4-Chlorophenylphenylether	A	50.0	53.4	0.7253942	0.7748462		6.8	20	
Chrysene	A	50.0	49.3	1.422249	1.40121		-1.5	20	
Dibenz(a,h)anthracene	A	50.0	43.2	1.149626	0.9924156		-13.7	20	
Dibenzofuran	A	50.0	49.5	1.764101	1.745955		-1.0	20	
Di-n-butylphthalate	A	50.0	49.8	1.65418	1.646334		-0.5	20	
3,3-Dichlorobenzidine	A	50.0	52.1	0.526821	0.5492558		4.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S125020.D	Calibration Date:	04/04/22 08:41
Sequence:	S071365	Injection Date:	05/05/22
Lab Sample ID:	S071365-CCV1	Injection Time:	15:00

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Atrazine	A	50.0	-762	0.3773886	-269097.8		-71300000	20	*
Benzaldehyde	A	50.0	0.00	1.248981				20	
Biphenyl	A	50.0	52.2	1.613687	1.683556		4.3	20	
Caprolactam	A	50.0	0.00	0.1075265				20	
Acenaphthene	A	50.0	48.6	1.372946	1.333622		-2.9	20	
Acenaphthylene	A	50.0	50.4	2.188014	2.206394		0.8	20	
Acetophenone	A	50.0	46.8	2.27581	2.131591		-6.3	20	
Anthracene	A	50.0	50.4	1.249074	1.258376		0.7	20	
Benzo(a)anthracene	A	50.0	51.6	1.543954	1.593192		3.2	20	
Benzo(a)pyrene	A	50.0	52.6	1.308666	1.377544		5.3	20	
Benzo(b)fluoranthene	A	50.0	53.3	1.509432	1.608453		6.6	20	
Benzo(g,h,i)perylene	A	50.0	48.8	1.131917	1.1037		-2.5	20	
Benzo(k)fluoranthene	A	50.0	53.4	1.329068	1.418312		6.7	20	
Bis(2-chloroethoxy)methane	A	50.0	47.6	0.5181659	0.4928536		-4.9	20	
Bis(2-chloroethyl)ether	A	50.0	40.6	1.603576	1.303478		-18.7	20	
Bis(2-chloroisopropyl)ether	A	50.0	36.9	2.989072	2.205275		-26.2	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	46.9	1.229657	1.152571		-6.3	20	
4-Bromophenylphenylether	A	50.0	56.3	0.2243946	0.2526412		12.6	20	
Butylbenzylphthalate	A	50.0	47.5	0.9513588	0.9041337		-5.0	20	
Carbazole	A	50.0	49.7	1.204311	1.196904		-0.6	20	
4-Chloroaniline	A	50.0	48.8	0.4167645	0.406468		-2.5	20	
4-Chloro-3-methylphenol	A	50.0	50.4	0.4023861	0.4060428		0.9	20	
2-Chloronaphthalene	A	50.0	50.8	1.560881	1.584145		1.5	20	
2-Chlorophenol	A	50.0	48.7	1.803142	1.757601		-2.5	20	
4-Chlorophenylphenylether	A	50.0	56.0	0.7253942	0.8129371		12.1	20	
Chrysene	A	50.0	50.7	1.422249	1.442889		1.5	20	
Dibenz(a,h)anthracene	A	50.0	48.0	1.149626	1.104336		-3.9	20	
Dibenzofuran	A	50.0	51.7	1.764101	1.822586		3.3	20	
Di-n-butylphthalate	A	50.0	50.0	1.65418	1.652595		-0.1	20	
3,3-Dichlorobenzidine	A	50.0	54.7	0.526821	0.5761107		9.4	20	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SOP 454-PFAAS
Batch:	B307756	Laboratory ID:	B307756-BS1
Column:		Initial/Final:	279.3 mL / 1 mL

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	8.95	7.27	81.2	73 - 129
Perfluorobutanesulfonic acid (PFBS)	7.92	6.52	82.3	72 - 130
Perfluoropentanoic acid (PFPeA)	8.95	6.96	77.7	72 - 129
Perfluorohexanoic acid (PFHxA)	8.95	7.17	80.1	72 - 129
11Cl-PF3OUdS (F53B Minor)	8.43	5.51	65.4	50 - 150
9Cl-PF3ONS (F53B Major)	8.34	6.65	79.7	50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.43	7.12	84.4	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.95	4.58	51.2	50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.59	6.92	80.5	67 - 138
Perfluorodecanoic acid (PFDA)	8.95	7.09	79.2	71 - 129
Perfluorododecanoic acid (PFDoA)	8.95	7.21	80.5	72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.97	7.34	92.1	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	8.55	7.09	82.9	69 - 134
N-EtFOSAA	8.95	7.70	86.0	61 - 135
N-MeFOSAA	8.95	7.02	78.4	65 - 136
Perfluorotetradecanoic acid (PFTA)	8.95	6.99	78.1	71 - 132
Perfluorotridecanoic acid (PFTrDA)	8.95	6.88	76.9	65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.37	6.98	83.4	63 - 143
Perfluorodecanesulfonic acid (PFDS)	8.64	7.24	83.8	53 - 142
Perfluorooctanesulfonamide (FOSA)	8.95	7.77	86.8	67 - 137
Perfluorononanesulfonic acid (PFNS)	8.59	6.84	79.5	69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	8.95	8.09	90.4	50 - 150
Perfluoro-1-butanesulfonamide (FBSA)	8.95	8.13	90.8	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	8.19	6.63	80.9	68 - 131
Perfluoro-4-oxapentanoic acid (PFMPA)	8.95	7.94	88.7	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	8.95	7.79	87.1	50 - 150
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.50	6.36	74.7	64 - 140
Perfluoropetanesulfonic acid (PFPeS)	8.41	7.01	83.4	71 - 127
Perfluoroundecanoic acid (PFUnA)	8.95	6.62	74.0	69 - 133
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.95	7.72	86.2	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.95	7.66	85.6	72 - 130
Perfluorooctanoic acid (PFOA)	8.95	7.46	83.3	71 - 133
Perfluorooctanesulfonic acid (PFOS)	8.28	6.62	79.9	65 - 140
Perfluorononanoic acid (PFNA)	8.95	6.41	71.6	69 - 130

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	QQQ4	Calibration:	2200218
Lab File ID:	CCV3050522.d	Calibration Date:	05/04/22 00:00
Sequence:	S071305	Injection Date:	05/06/22
Lab Sample ID:	S071305-CCV3	Injection Time:	00:28

		CONC. (ng/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Perfluorobutanoic acid (PFBA)	A	2500	2490	0.8384091	0.8374343		-0.5	30	
Perfluorobutanesulfonic acid (PFBS)	A	2220	2160	0.9279844	0.9339461		-2.7	30	
Perfluoropentanoic acid (PFPeA)	A	2500	2540	0.8960708	0.925297		1.7	30	
Perfluorohexanoic acid (PFHxA)	A	2500	2440	0.7992301	0.7950144		-2.5	30	
11Cl-PF3OUdS (F53B Minor)	A	2360	3240	1.270769	1.643066		37.3	30	*
9Cl-PF3ONS (F53B Major)	A	2330	3020	3.216986	3.742198		29.5	30	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	A	2360	2380	1.493098	1.516906		0.9	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	A	2500	2270	0.1122119	0.1045201		-9.1	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	A	2400	2440	0.7805798	0.8918004		1.9	30	
Perfluorodecanoic acid (PFDA)	A	2500	2550	0.8416927	0.8585423		1.8	30	
Perfluorododecanoic acid (PFDoA)	A	2500	2520	0.9050049	0.8702789		0.8	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	2220	2120	6.054304	5.843102		-4.5	30	
Perfluoroheptanesulfonic acid (PFHpS)	A	2380	2810	0.6380961	0.7207908		17.9	30	
N-EtFOSAA	A	2500	2360	0.8687761	0.86878		-5.6	30	
N-MeFOSAA	A	2500	2500	0.8519846	0.8988537		-0.2	30	
Perfluorotetradecanoic acid (PFTA)	A	2500	2410	0.8612963	0.852419		-3.5	30	
Perfluorotridecanoic acid (PFTrDA)	A	2500	2320	1.012505	0.9759856		-7.2	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	A	2340	2360	1.070262	1.170464		0.9	30	
Perfluorodecanesulfonic acid (PFDS)	A	2410	2630	0.5987007	0.6508636		9.3	30	
Perfluorooctanesulfonamide (FOSA)	A	2500	2410	0.8777101	0.8480685		-3.7	30	
Perfluorononanesulfonic acid (PFNS)	A	2400	2950	0.2866611	0.3499458		22.8	30	
Perfluoro-1-hexanesulfonamide (FHxSA)	A	2500	2270	0.3564702	0.3597955		-9.1	30	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S071428	Instrument:	QQQ4
		Calibration:	2200228

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B307756-BS1)			*Lab File ID: B307756-BS1.d*			*Analyzed: 05/10/22 11:27*			
M8FOSA	335955.6	4.052516	306279	4.0525	110	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	149228.8	2.67895	136414	2.670717	109	50 - 150	0.0082	+/-0.50	
M2PFTA	1090031	4.4191	1075749	4.419083	101	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	133764.6	3.88305	122100	3.883033	110	50 - 150	0.0000	+/-0.50	
MPFBA	796632.1	1.13325	597775	1.13325	133	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	319785	2.970333	187730	2.970317	170	50 - 150	0.0000	+/-0.50	*
M6PFDA	737928.8	3.883567	609912	3.88355	121	50 - 150	0.0000	+/-0.50	
M3PFBS	164514.9	2.044217	131438	2.044217	125	50 - 150	0.0000	+/-0.50	
M7PFUnA	993855.6	4.033967	800959	4.03395	124	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	87666.92	3.5256	71686	3.525583	122	50 - 150	0.0000	+/-0.50	
M5PFPeA	656696.1	1.857667	508949	1.849383	129	50 - 150	0.0083	+/-0.50	
M5PFHxA	962740.6	2.7636	766115	2.7554	126	50 - 150	0.0082	+/-0.50	
M3PFHxS	141569	3.300333	115625	3.300333	122	50 - 150	0.0000	+/-0.50	
M4PFHpA	923353	3.27725	758194	3.268017	122	50 - 150	0.0092	+/-0.50	
M8PFOA	899138.8	3.534133	694476	3.534117	129	50 - 150	0.0000	+/-0.50	
M8PFOS	143565.5	3.716267	124022	3.71625	116	50 - 150	0.0000	+/-0.50	
M9PFNA	785096.5	3.725217	605785	3.71725	130	50 - 150	0.0080	+/-0.50	
MPFDoA	896866.6	4.177333	867168	4.177317	103	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	180480.9	4.041433	181786	4.041417	99	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	253438.4	3.96185	230100	3.961833	110	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S071428	Instrument:	QQQ4
		Calibration:	2200228

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B307756-BLK1)			*Lab File ID: B307756-BLK1.d*			*Analyzed: 05/10/22 11:34*			
M8FOSA	345762.5	4.052516	306279	4.0525	113	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	172991.1	2.678933	136414	2.670717	127	50 - 150	0.0082	+/-0.50	
M2PFTA	1093269	4.4191	1075749	4.419083	102	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	143446.3	3.88305	122100	3.883033	117	50 - 150	0.0000	+/-0.50	
MPFBA	958992.9	1.13325	597775	1.13325	160	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	242321.9	2.970317	187730	2.970317	129	50 - 150	0.0000	+/-0.50	
M6PFDA	873663.7	3.883567	609912	3.88355	143	50 - 150	0.0000	+/-0.50	
M3PFBS	201398.7	2.044217	131438	2.044217	153	50 - 150	0.0000	+/-0.50	*
M7PFUnA	1097067	4.033967	800959	4.03395	137	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	103026.4	3.5256	71686	3.525583	144	50 - 150	0.0000	+/-0.50	
M5PFPeA	792137.7	1.857667	508949	1.849383	156	50 - 150	0.0083	+/-0.50	*
M5PFHxA	1198460	2.763583	766115	2.7554	156	50 - 150	0.0082	+/-0.50	*
M3PFHxS	176563.6	3.30035	115625	3.300333	153	50 - 150	0.0000	+/-0.50	*
M4PFHpA	1112015	3.27725	758194	3.268017	147	50 - 150	0.0092	+/-0.50	
M8PFOA	1125121	3.534133	694476	3.534117	162	50 - 150	0.0000	+/-0.50	*
M8PFOS	175714.2	3.716267	124022	3.71625	142	50 - 150	0.0000	+/-0.50	
M9PFNA	874272.1	3.725217	605785	3.71725	144	50 - 150	0.0080	+/-0.50	
MPFDoA	1084660	4.17735	867168	4.177317	125	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	229653.7	4.041433	181786	4.041417	126	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	308318.9	3.961867	230100	3.961833	134	50 - 150	0.0000	+/-0.50	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD6	Calibration:	2200224
Lab File ID:	F22E127053.D	Calibration Date:	05/06/22 00:00
Sequence:	S071282	Injection Date:	05/08/22
Lab Sample ID:	S071282-CCV9	Injection Time:	02:55

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	85.9	8.926583E+07	7.6652E+07		-14.1	15	
alpha-Chlordane [2C]	A	100	90.0	2.070067E+07	1.8637E+07		-10.0	15	
gamma-Chlordane	A	100	88.1	9.215433E+07	8.1158E+07		-11.9	15	
gamma-Chlordane [2C]	A	100	89.9	2.132592E+07	1.9182E+07		-10.1	15	
Alachlor	A	100	90.5	9547000	8642000		-9.5	15	
Alachlor [2C]	A	100	86.3	2464109	2126000		-13.7	15	
Aldrin	A	100	87.2	1.021681E+08	8.9092E+07		-12.8	15	
Aldrin [2C]	A	100	87.8	2.319086E+07	2.0369E+07		-12.2	15	
alpha-BHC	A	100	92.8	1.179358E+08	1.0944E+08		-7.2	15	
alpha-BHC [2C]	A	100	87.2	2.849992E+07	2.4854E+07		-12.8	15	
beta-BHC	A	100	91.0	4.578067E+07	4.166E+07		-9.0	15	
beta-BHC [2C]	A	100	85.7	1.075016E+07	9210000		-14.3	15	
delta-BHC	A	100	101	9.9672E+07	1.00819E+08		1.2	15	
delta-BHC [2C]	A	100	89.1	2.56515E+07	2.2868E+07		-10.9	15	
gamma-BHC (Lindane)	A	100	90.9	1.125527E+08	1.02304E+08		-9.1	15	
gamma-BHC (Lindane) [2C]	A	100	87.6	2.616997E+07	2.293E+07		-12.4	15	
4,4'-DDD	A	100	89.4	7.480322E+07	6.6841E+07		-10.6	15	
4,4'-DDD [2C]	A	100	101	1.637294E+07	1.6505E+07		0.8	15	
4,4'-DDE	A	100	93.6	8.628885E+07	7.9814E+07		-7.5	15	
4,4'-DDE [2C]	A	100	96.8	1.982356E+07	1.918E+07		-3.2	15	
4,4'-DDT	A	100	95.4	7.788619E+07	7.4293E+07		-4.6	15	
4,4'-DDT [2C]	A	100	102	1.743374E+07	1.7978E+07		3.1	15	
Dieldrin	A	100	79.2	9.827414E+07	7.7879E+07		-20.8	15	*
Dieldrin [2C]	A	100	87.8	2.193317E+07	1.9253E+07		-12.2	15	
Endosulfan I	A	100	129	8.548192E+07	1.10186E+08		28.9	15	*
Endosulfan I [2C]	A	100	123	1.967008E+07	2.4293E+07		23.5	15	*
Endosulfan II	A	100	86.8	7.550325E+07	6.5542E+07		-13.2	15	
Endosulfan II [2C]	A	100	93.8	1.751002E+07	1.6417E+07		-6.2	15	
Endosulfan Sulfate	A	100	89.2	7.505733E+07	6.6929E+07		-10.8	15	
Endosulfan Sulfate [2C]	A	100	93.7	1.686333E+07	1.5797E+07		-6.3	15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD2	Calibration:	2200319
Lab File ID:	B22E129017.D	Calibration Date:	05/07/22 00:00
Sequence:	S071316	Injection Date:	05/09/22
Lab Sample ID:	S071316-CCV6	Injection Time:	12:55

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	101	1.027179E+07	1.0418E+07		1.4	15	
alpha-Chlordane [2C]	A	100	104	1.706098E+07	1.7686E+07		3.7	15	
gamma-Chlordane	A	100	102	1.049307E+07	1.0692E+07		1.9	15	
gamma-Chlordane [2C]	A	100	108	1.744464E+07	1.8792E+07		7.7	15	
Alachlor	A	100	92.7	1324663	1228000		-7.3	15	
Alachlor [2C]	A	100	93.9	2180129	2047000		-6.1	15	
Aldrin	A	100	104	1.131816E+07	1.1761E+07		3.9	15	
Aldrin [2C]	A	100	107	1.829716E+07	1.9533E+07		6.8	15	
alpha-BHC	A	100	101	1.461383E+07	1.4722E+07		0.7	15	
alpha-BHC [2C]	A	100	105	2.333358E+07	2.4411E+07		4.6	15	
beta-BHC	A	100	99.2	5516479	5470000		-0.8	15	
beta-BHC [2C]	A	100	101	8808114	8860000		0.6	15	
delta-BHC	A	100	103	1.333447E+07	1.3769E+07		3.3	15	
delta-BHC [2C]	A	100	105	2.132943E+07	2.2424E+07		5.1	15	
gamma-BHC (Lindane)	A	100	105	1.312617E+07	1.3732E+07		4.6	15	
gamma-BHC (Lindane) [2C]	A	100	107	2.08326E+07	2.2377E+07		7.4	15	
4,4'-DDD	A	100	107	8017326	8584000		7.1	15	
4,4'-DDD [2C]	A	100	109	1.372961E+07	1.4994E+07		9.2	15	
4,4'-DDE	A	100	106	9661857	1.0286E+07		6.5	15	
4,4'-DDE [2C]	A	100	110	1.630891E+07	1.7943E+07		10.0	15	
4,4'-DDT	A	100	106	8375454	8875000		6.0	15	
4,4'-DDT [2C]	A	100	108	1.474707E+07	1.5971E+07		8.3	15	
Dieldrin	A	100	104	1.050072E+07	1.0941E+07		4.2	15	
Dieldrin [2C]	A	100	105	1.74111E+07	1.8348E+07		5.4	15	
Endosulfan I	A	100	141	9736667	1.3724E+07		41.0	15	*
Endosulfan I [2C]	A	100	101	1.581561E+07	1.5968E+07		1.0	15	
Endosulfan II	A	100	99.6	8998243	8963000		-0.4	15	
Endosulfan II [2C]	A	100	102	1.50345E+07	1.5364E+07		2.2	15	
Endosulfan Sulfate	A	100	99.7	8101389	8080000		-0.3	15	
Endosulfan Sulfate [2C]	A	100	100	1.408288E+07	1.4134E+07		0.4	15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD2	Calibration:	2200319
Lab File ID:	B22E129041.D	Calibration Date:	05/07/22 00:00
Sequence:	S071316	Injection Date:	05/09/22
Lab Sample ID:	S071316-CCV9	Injection Time:	21:55

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	106	1.027179E+07	1.0869E+07		5.8	15	
alpha-Chlordane [2C]	A	100	102	1.706098E+07	1.7464E+07		2.4	15	
gamma-Chlordane	A	100	106	1.049307E+07	1.1131E+07		6.1	15	
gamma-Chlordane [2C]	A	100	106	1.744464E+07	1.8489E+07		6.0	15	
Alachlor	A	100	98.7	1324663	1308000		-1.3	15	
Alachlor [2C]	A	100	93.8	2180129	2046000		-6.2	15	
Aldrin	A	100	109	1.131816E+07	1.2309E+07		8.8	15	
Aldrin [2C]	A	100	105	1.829716E+07	1.9246E+07		5.2	15	
alpha-BHC	A	100	106	1.461383E+07	1.5492E+07		6.0	15	
alpha-BHC [2C]	A	100	103	2.333358E+07	2.4099E+07		3.3	15	
beta-BHC	A	100	104	5516479	5713000		3.6	15	
beta-BHC [2C]	A	100	99.0	8808114	8717000		-1.0	15	
delta-BHC	A	100	107	1.333447E+07	1.4266E+07		7.0	15	
delta-BHC [2C]	A	100	103	2.132943E+07	2.1923E+07		2.8	15	
gamma-BHC (Lindane)	A	100	110	1.312617E+07	1.444E+07		10.0	15	
gamma-BHC (Lindane) [2C]	A	100	106	2.08326E+07	2.2065E+07		5.9	15	
4,4'-DDD	A	100	108	8017326	8629000		7.6	15	
4,4'-DDD [2C]	A	100	108	1.372961E+07	1.4885E+07		8.4	15	
4,4'-DDE	A	100	110	9661857	1.0612E+07		9.8	15	
4,4'-DDE [2C]	A	100	110	1.630891E+07	1.7891E+07		9.7	15	
4,4'-DDT	A	100	104	8375454	8744000		4.4	15	
4,4'-DDT [2C]	A	100	105	1.474707E+07	1.5529E+07		5.3	15	
Dieldrin	A	100	108	1.050072E+07	1.1371E+07		8.3	15	
Dieldrin [2C]	A	100	104	1.74111E+07	1.8151E+07		4.2	15	
Endosulfan I	A	100	148	9736667	1.4436E+07		48.3	15	*
Endosulfan I [2C]	A	100	99.6	1.581561E+07	1.576E+07		-0.4	15	
Endosulfan II	A	100	104	8998243	9347000		3.9	15	
Endosulfan II [2C]	A	100	101	1.50345E+07	1.5232E+07		1.3	15	
Endosulfan Sulfate	A	100	101	8101389	8220000		1.5	15	
Endosulfan Sulfate [2C]	A	100	97.9	1.408288E+07	1.3783E+07		-2.1	15	

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 2041

Lab Sample ID: B307152-BS1 Date(s) Analyzed: 05/07/2022 05/07/2022

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.256	7.224	7.284	0.88	
	2	7.257	7.226	7.286	0.93	5.5
4,4'-DDE	1	6.813	6.781	6.841	0.88	
	2	6.826	6.796	6.856	0.84	4.7
4,4'-DDT	1	7.468	7.436	7.496	0.88	
	2	7.496	7.465	7.525	0.95	7.7
Aldrin	1	6.154	6.123	6.183	0.80	
	2	6.070	6.040	6.100	0.66	19.2
alpha-BHC	1	5.445	5.414	5.474	0.89	
	2	5.371	5.342	5.402	0.67	28.2
alpha-Chlordane	1	6.758	6.726	6.786	0.84	
	2	6.696	6.666	6.726	0.74	12.7
beta-BHC	1	5.698	5.667	5.727	0.87	
	2	5.638	5.609	5.669	0.68	24.5
delta-BHC	1	5.814	5.783	5.843	0.92	
	2	5.822	5.793	5.853	0.69	28.6
Dieldrin	1	7.033	7.001	7.061	0.78	
	2	6.933	6.903	6.963	0.76	2.6
Endosulfan I	1	6.857	6.825	6.885	0.81	
	2	6.734	6.704	6.764	0.74	9.0
Endosulfan II	1	7.373	7.341	7.401	0.84	
	2	7.318	7.288	7.348	0.82	2.4
Endosulfan Sulfate	1	8.027	7.995	8.055	0.83	
	2	7.795	7.764	7.824	0.89	7.0
Endrin	1	7.205	7.172	7.232	0.85	
	2	7.157	7.126	7.186	0.81	4.8
Endrin Aldehyde	1	7.695	7.663	7.723	0.76	
	2	7.578	7.547	7.607	0.83	8.8
Endrin Ketone	1	8.218	8.187	8.247	0.88	
	2	8.182	8.152	8.212	0.97	9.7
gamma-BHC (Lindane)	1	5.644	5.613	5.673	0.86	
	2	5.585	5.555	5.615	0.66	27.5
gamma-Chlordane	1	6.662	6.630	6.690	0.75	
	2	6.592	6.563	6.623	0.74	1.3
Heptachlor	1	5.952	5.921	5.981	0.79	
	2	5.860	5.830	5.890	0.65	19.4
Heptachlor Epoxide	1	6.575	6.543	6.603	0.78	
	2	6.459	6.429	6.489	0.69	12.2
Methoxychlor	1	7.848	7.816	7.876	0.93	
	2	8.038	8.008	8.068	1.0	7.3

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike 2841

Lab Sample ID: B306852-MS3 Date(s) Analyzed: 05/06/2022 05/06/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.304	0.000	0.000	0.236	
	2	17.139	0.000	0.000	0.271	12.1
2,4,5-TP (Silvex)	1	17.077	0.000	0.000	0.298	
	2	16.767	0.000	0.000	0.318	5.8
2,4-D	1	15.632	0.000	0.000	2.39	
	2	15.049	0.000	0.000	3.14	26.7
2,4-DB	1	17.658	0.000	0.000	2.43	
	2	17.489	0.000	0.000	2.43	1.2
Dalapon	1	5.457	0.000	0.000	5.61	
	2	4.904	0.000	0.000	5.57	0.5
Dicamba	1	13.376	0.000	0.000	0.234	
	2	12.718	0.000	0.000	0.252	9.1
Dichloroprop	1	15.095	0.000	0.000	2.59	
	2	14.337	0.000	0.000	2.98	13.6
Dinoseb	1	18.187	0.000	0.000	0.661	
	2	17.661	0.000	0.000	0.762	14.3
MCPA	1	14.243	0.000	0.000	203	
	2	13.598	0.000	0.000	218	8.6
MCPP	1	13.888	0.000	0.000	224	
	2	13.068	0.000	0.000	237	7.4

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike Dup 2842

Lab Sample ID: B306852-MSD3 Date(s) Analyzed: 05/06/2022 05/06/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.304	0.000	0.000	0.243	
	2	17.140	0.000	0.000	0.274	13.2
2,4,5-TP (Silvex)	1	17.078	0.000	0.000	0.294	
	2	16.768	0.000	0.000	0.331	13.2
2,4-D	1	15.631	0.000	0.000	2.44	
	2	15.048	0.000	0.000	3.14	26.7
2,4-DB	1	17.658	0.000	0.000	2.59	
	2	17.489	0.000	0.000	2.33	11.0
Dalapon	1	5.458	0.000	0.000	6.57	
	2	4.906	0.000	0.000	6.30	4.7
Dicamba	1	13.377	0.000	0.000	0.240	
	2	12.718	0.000	0.000	0.255	6.1
Dichloroprop	1	15.095	0.000	0.000	2.58	
	2	14.337	0.000	0.000	3.01	14.6
Dinoseb	1	18.187	0.000	0.000	0.665	
	2	17.661	0.000	0.000	0.812	19.2
MCPA	1	14.242	0.000	0.000	184	
	2	13.598	0.000	0.000	210	15.4
MCPP	1	13.886	0.000	0.000	227	
	2	13.067	0.000	0.000	237	3.0

FORM 3 - Blank Summary

SW-846 6020B

Laboratory:	Pace New England	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICPMS2	Calibration:	UNASSIGNED
Sequence:	S073923		

Lab Sample ID	Analyte	Found	Units	RL	C
B306658-BLK1	Arsenic		µg/L	0.80	U
	Barium		µg/L	10	U
	Beryllium		µg/L	0.40	U
	Cadmium		µg/L	0.20	U
	Chromium		µg/L	1.0	U
	Cobalt		µg/L	1.0	U
	Copper	0.48	µg/L	1.0	J
	Lead		µg/L	0.50	U
	Manganese		µg/L	1.0	U
	Nickel		µg/L	5.0	U
	Selenium		µg/L	5.0	U
	Silver	0.059	µg/L	0.20	J
	Thallium		µg/L	0.20	U
	Vanadium		µg/L	5.0	U
	Zinc		µg/L	10	U
S073923-CCB2	Antimony		µg/L	1.0	U
	Arsenic		µg/L	0.80	U
	Barium		µg/L	10	U
	Beryllium		µg/L	0.40	U
	Cadmium		µg/L	0.20	U
	Chromium		µg/L	1.0	U
	Cobalt		µg/L	1.0	U
	Copper		µg/L	1.0	U
	Lead		µg/L	0.50	U
	Manganese		µg/L	1.0	U
	Nickel		µg/L	5.0	U
	Selenium		µg/L	5.0	U
	Silver		µg/L	0.20	U
	Thallium		µg/L	0.20	U
	Vanadium		µg/L	5.0	U
	Zinc		µg/L	10	U
S073923-CCB3	Antimony		µg/L	1.0	U
	Arsenic		µg/L	0.80	U

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 7470A

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D1653
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 7470A/7471A
Batch:	B307832	Laboratory ID:	B307832-BS1
Column:		Initial/Final:	10 g / 10 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.		QC LIMITS REC.
Mercury	0.00402	0.00488	121	*	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Mercury	0.00402	0.00491	122	*	0.606	20	80 - 120

FORM 3 - Blank Summary

SW-846 9014

Laboratory: Con-Test, a Pace Analytical Laboratory
Work Order: 22D1653
Client: NYDEC_TRC Environmental Corporation- Clifton
Project: Queensbury Landfill - CO 141573

Lab Sample ID	Analyte	Found	Units	RL	C
B307045-BLK1	Cyanide	0.0057	mg/L	0.010	J

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Queensbury, NY
Pace/Con-test SDG#22F0251
November 15, 2022
Revised: February 10, 2023
Sampling date: 6/2/2022

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised; February 10, 2023) for TRC Environmental Corporation, project located at Queensbury, NY, Pace/Con-test SDG#22F0251 submitted to Vali-Data of WNY, LLC on October 13, 2022. This DUSR has been prepared in general compliance USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(6/2021) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Perfluorinated Hydrocarbons (537 modified; SOP-466, SOP-454), Pesticide (8081B), PCB (8082A), Herbicide (8151A), Inorganics/Mercury (6010D, 7470A, 7471B) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID	Laboratory #2 ID
1	QNSB-MPND-SE-101	22F0251-01	410-86514-1
2	QNSB-MPND-SE-102	22F0251-02	410-86514-2
3	QNSB-MPND-SE-103	22F0251-03	410-86514-3
4	QNSB-MPND-SE-DUP-01	22F0251-04	410-86514-4
5	QNSB-MPND-WS-101	22F0251-05	
6	QNSB-MPND-WS-102	22F0251-06	
7	QNSB-MPND-WS-103	22F0251-07	
8	QNSB-MPND-WS-DUP-01	22F0251-08	

The Semi-Volatile Organics analysis, 8270E SIM was subcontracted to Eurofins Lancaster Laboratories Environmental Testing, Inc.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except a TIC was detected in DUSR ID#1 but was not detected in #4.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in the laboratory control samples and laboratory control sample duplicates and should be qualified as estimated.

LCS/LCSD ID	Target Analyte	LCS %Rec	LCSD %Rec	Qualifier	Associated Sample
B309985	Chloromethane	52.8	62.7	UJ	2
B310029	Bromomethane	134	135	JH	None

MS/MSD
All criteria were met except the %Rec of several target analytes were outside QC limits, high in DUSR ID#5MS/MSD and should be qualified as estimated. These target analytes were not detected in the associated sample, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of several target analytes were outside QC limits in the initial calibration and/or the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV instrument	Target Analyte	Qualifier	Associated Sample
ICal/ICV GCMSVOA5	Bromodichloromethane	UJ/J	B310013, B309985, 2, 5-8, 5MS/MSD
ICal/ICV GCMSVOA5	Chlorodibromomethane	UJ/J	B310013, B309985, 2, 5-8, 5MS/MSD
ICal/ICV GCMSVOA5	1,2-Dibromoethane	UJ/J	B310013, B309985, 2, 5-8, 5MS/MSD
ICal/ICV GCMSVOA5	1,4-Dioxane	UJ/J	B310013, B309985, 2, 5-8, 5MS/MSD
ICal/ICV GCMSVOA5	1,1,2-Trichloroethene	UJ/J	B310013, B309985, 2, 5-8, 5MS/MSD
ICal/ICV GCMSVOA5	1,2,3-Trichlorobenzene	UJ/J	B310013, B309985, 2, 5-8, 5MS/MSD
ICal/ICV GCMSVOA5	1,2,4-Trichlorobenzene	UJ/J	B310013, B309985, 2, 5-8, 5MS/MSD
ICal/ICV GCMSVOA7	Bromodichloromethane	UJ/J	B310029, 1, 3, 4, 1MS/MSD
ICal/ICV GCMSVOA7	Chlorodibromomethane	UJ/J	B310029, 1, 3, 4, 1MS/MSD
ICal/ICV GCMSVOA7	1,2-Dibromoethane	UJ/J	B310029, 1, 3, 4, 1MS/MSD
ICal/ICV GCMSVOA7	1,1,2-Trichloroethene	UJ/J	B310029, 1, 3, 4, 1MS/MSD
ICal GCMSVOA7	cis-1,3-Dichloropropene	UJ/J	B310029, 1, 3, 4, 1MS/MSD
ICalGCMSVOA7	1,2-Dichloropropane	UJ/J	B310029, 1, 3, 4, 1MS/MSD

Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S072378-CCV1	Bromodichloromethane	RRF	UJ/J	B310029, 1, 3, 4, 1MS/MSD
S072378-CCV1	1,2-Dibromoethane	RRF	UJ/J	B310029, 1, 3, 4, 1MS/MSD
S072378-CCV1	1,1,2-Trichloroethene	RRF	UJ/J	B310029, 1, 3, 4, 1MS/MSD
S072378-CCV1	Bromomethane	37.9	UJ/J	B310029, 1, 3, 4, 1MS/MSD
S072378-CCV1	1,4-Dioxane	RRF	UJ/J	B310029, 1, 3, 4, 1MS/MSD
S072416-CCV1	Bromodichloromethane	RRF	UJ/J	B310013, 5-8, 5MS/MSD
S072416-CCV1	Chlorodibromomethane	RRF	UJ/J	B310013, 5-8, 5MS/MSD
S072416-CCV1	1,2-Dibromoethane	RRF	UJ/J	B310013, 5-8, 5MS/MSD
S072416-CCV1	1,4-Dioxane	RRF	UJ/J	B310013, 5-8, 5MS/MSD
S072416-CCV1	1,1,2-Trichloroethene	RRF	UJ/J	B310013, 5-8, 5MS/MSD
S072416-CCV1	1,2,3-Trichlorobenzene	RRF	UJ/J	B310013, 5-8, 5MS/MSD
S072416-CCV1	1,2,4-Trichlorobenzene	RRF	UJ/J	B310013, 5-8, 5MS/MSD
S072416-CCV1	cis-1,3-Dichloropropene	RRF	UJ/J	B310013, 5-8, 5MS/MSD
S072416-CCV1	Bromomethane	40.3	UJ/J	B310013, 5-8, 5MS/MSD
S072454-CCV1	Bromodichloromethane	RRF	UJ/J	B309985, 2
S072454-CCV1	1,2-Dibromoethane	RRF	UJ/J	B309985, 2
S072454-CCV1	1,4-Dioxane	RRF	UJ/J	B309985, 2
S072454-CCV1	1,1,2-Trichloroethene	RRF	UJ/J	B309985, 2
S072454-CCV1	1,2,3-Trichlorobenzene	RRF	UJ/J	B309985, 2
S072454-CCV1	1,2,4-Trichlorobenzene	RRF	UJ/J	B309985, 2
S072454-CCV1	cis-1,3-Dichloropropene	RRF	UJ/J	B309985, 2
S072454-CCV1	Bromomethane	46.0	UJ/J	B309985, 2
S072454-CCV1	Bromochloromethane	23.7	UJ/J	B309985, 2
S072454-CCV1	Bromoform	29.6	UJ/J	B309985, 2
S072454-CCV1	Chloromethane	-57.5	UJ/J	B309985, 2
S072454-CCV1	Vinyl Chloride	27.6	UJ/J	B309985, 2

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times

- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except Form 7 for the ICV for Benzaldehyde, Caprolactam and Atrazine was not included in the revised package. The raw data is provided, so no further action is required.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, low in DUSR ID#1 and #1MS/MSD. The associated target analytes below should be qualified as estimated in these samples.

2,4,6-Trichlorophenol	2,4-Dinitrophenol	4,6-Dinitro-2-methylphenol
2,4,5-Trichlorophenol	4-Nitrophenol	Pentachlorophenol

The %Rec of 1,4-Dioxane-d_8 was outside QC limits, low in DUSR ID#5MSD. 1,4-Dioxane should be qualified as estimated in this spike.

METHOD BLANK

All the criteria were met except several TICs were detected in the blanks, above the qualification level, and should be qualified as undetected in the associated samples in which they were detected.

Blank ID	TIC	Qualifier	Associated Sample
B310287	Triphenylphosphine oxide	U	5, 8
B310381	Triphenylphosphine oxide	U	4
B310381	Heptane, 2,5-dimethyl-	U	4

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met except 8 TICs were detected in DUSR ID#1, but 17 TICs were detected in DUSR ID#4.

LABORATORY CONTROL SAMPLES

All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated in the associated samples.

LCS/LCSD ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B310287	Caprolactam	25.9	22.1	-	UJ	5, 8
B310287	Hexachlorobutadiene	36.2	31.5	-	UJ	5, 8
B310287	Hexachlorocyclopentadiene	14.3	11.2	-	UJ	5, 8
B310287	Hexachloroethane	27.1	26.2	-	UJ	5, 8
B310287	Atrazine	-	-	21.7	UJ	5, 8
B310287	Acenaphthene	-	-	21.4	UJ	5, 8
B310287	Acenaphthylene	-	-	21.2	UJ	5, 8
B310287	Benzo(b)fluoranthene	-	-	30.6	UJ	5, 8
B310287	Benzo(g,h,i)perylene	-	-	27.0	UJ	5, 8
B310287	Benzo(k)fluoranthene	-	-	23.8	UJ	5, 8
B310287	4-Chloro-2-methylphenol	-	-	22.6	UJ	5, 8
B310287	Dibenzofuran	-	-	21.5	UJ	5, 8
B310287	2,4-Dimethylphenol	-	-	23.3	UJ	5, 8
B310287	2,4-Dinitrotoluene	-	-	21.8	UJ	5, 8
B310287	2,6-Dinitrotoluene	-	-	21.6	UJ	5, 8
B310287	Di-n-octylphthalate	-	-	26.3	UJ	5, 8
B310287	2-Methylnaphthalene	-	-	21.8	UJ	5, 8
B310381	Hexachlorocyclopentadiene	25.7	24.7	-	UJ	1, 4

Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD

All criteria were met except several target analytes were outside QC limits, in the matrix spike and matrix spike duplicate and should be qualified as estimated.

MS/MSD DUSR ID	Target Analyte	%Rec MS	%Rec MSD	RPD	Qualifier	Associated Sample
5	Caprolactam	23.9	22.1	-	UJ	5
5	Hexachlorobutadiene	17.0	27.7	40.8	UJ	5
5	Hexachlorocyclopentadiene	0	8.84	-	R	5
5	Benzaldehyde	-	-	34.5	UJ	5
5	Biphenyl	-	-	31.4	UJ	5
5	Bis(2-chloroisopropyl)ether	-	-	33.1	UJ	5
5	2-Chloronaphthalene	-	-	30.7	UJ	5
5	2-Methylnaphthalene	-	-	33.4	UJ	5
5	2-Nitrophenol	-	-	30.3	UJ	5
5	Naphthalene	-	-	33.4	UJ	5
5	1,2,4,5-Trichlorobenzene	-	-	37.1	UJ	5

MS/MSD DUSR ID	Target Analyte	%Rec MS	%Rec MSD	RPD	Qualifier	Associated Sample
1	4-Chloroaniline	20.4	23.3	-	UJ	1
1	3,3-Dichlorobutadiene	3.10	8.66	94.6	R	1
1	Hexachlorocyclopentadiene	0	0	-	R	1
1	Hexachloroethane	18.9	33.5	55.9	UJ	1
1	3-Nitroaniline	32.8	35.1	-	UJ	1
1	Pentachlorophenol	13.0	12.9	-	UJ	1
1	2,4,6-Trichlorophenol	29.1	23.5	-	UJ	1

Several target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except the RRF and %D of several target analytes were outside QC limits in the initial calibration and/or the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV instrument or ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICV GCMSSV3	2-Nitroaniline	33.4	UJ/J	B310381, B310287, 4, 5, 8, 5MS/MSD
ICV GCMSSV4	2-Nitroaniline	30.0	UJ/J	1, 1MS/MSD

Alternate forms of regression were performed on some target analytes, with acceptable results. Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
S072793-CCV1	Hexachlorocyclopentadiene	-61.3	UJ/J	1, 1MS/MSD
S072834-CCV1	Hexachlorocyclopentadiene	-64.2	UJ/J	5, 8, 5MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Internal Standard, Laboratory Control Samples, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the %Rec several target analytes were outside QC limits and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated.

Surrogate	Qualifier	Associated Sample
M8FOSA	UJ/J	5-8, 5MS/MSD
M2PFTA	UJ/J	5-8, 5MS/MSD
M7PFUnA	UJ/J	6, 7, 5MS/MSD
MPFDoA	UJ/J	7, 5MS/MSD
M6PFDA	UJ/J	5MSD
M9PFNA	UJ/J	7, 5MS/MSD
NEtFOSAA	UJ/J	5MSD
NMeFOSAA	UJ/J	5MSD

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except PFBA was detected in DUSR ID#4 but was not detected in #1.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits in the laboratory control sample and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
B310316-BS1	NEtFOSAA	134	UJ	5-8

MS/MSD
All the criteria were met except a target analyte was outside QC limits in a matrix spike and matrix spike duplicate and should be qualified as estimated.

MS/MSD ID	Target Analyte	%Rec MS	%Rec MSD	Qualifier	Associated Sample
5	PFDS	43.3	34.5	UJ	5

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S073944-CCV2	FHxSA	31.4	UJ/J	B310315, 1-4, 1MS/MSD
S073682-CCV2	8:2FTS	37.3	UJ	B310316, 5-8, 5MS/MSD

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation

- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and MS/MSD.

Samples: DUSR ID#1, 4 and 1MS/MSD were diluted due to matrix interference.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except the %RPD of Alachlor and Methoxychlor was not recorded on the Form 3 for DUSR ID#1MS/MSD. The %RPD was within QC limits, so no further action is required.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX was outside QC limits, low off column 2 in DUSR ID#5MS and should be qualified as estimated. Target analytes in this spike should be qualified as estimated off this column.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met except a target analyte was outside QC limits in the matrix spike and matrix spike duplicate and should be qualified in the associated sample.

Target analyte	%Rec 5MS	%Rec 5MSD	Qualifier	Associated Sample
gamma-BHC	46.4	51.6	UJ	5

The RPD of 4,4'-DDT, Alachlor and Heptachlor Epoxide was outside QC limits between the columns and should be qualified as estimated in DUSR ID#1MS.
The RPD of 4,4'-DDT and beta-BHC was outside QC limits between the columns and should be qualified as estimated in DUSR ID#1MSD.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.
Some target analytes were outside QC limits in the confirmatory column, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Some target analytes were outside QC limits in the confirmatory column, so no further action is required.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

Samples: DUSR ID#1, 4 and 1MS/MSD were diluted due to matrix interference.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD and Continuing Calibration.

Samples: DUSR ID#1, 4 and 1MS/MSD were diluted due to matrix interference.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4-Dichlorophenylacetic acid was outside QC limits, high off the confirmatory column in DUSR ID#1, #4 and #1MS/MSD and should be qualified as estimated. No further action is required because this column was not prime.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	RPD (column 1)	Qualifier	Associated Sample
B312868	2,4,5-TP	22.8	UJ	5, 8
B312868	Dalapon	20.9	UJ	5, 8

The %RPD of MCPP was outside QC limits between the columns in B310789-BS1/BSD1 and should be qualified as estimated.

MS/MSD
All criteria were met except a target analyte was outside QC limits in DUSR ID#1MS/MSD and should be qualified as estimated.

Target Analyte	RPD	Qualifier	Associated Sample
MCPP	60.5	UJ	1

The %RPD of 2,4-DB, Dichloroprop and MCPA was outside QC limits between the columns in DUSR ID#1MS and #1MSD and should be qualified as estimated. The %RPD of MCPP was outside QC limits between the columns in DUSR ID#1MS and should be qualified as estimated. Several target analytes were outside QC limits in DUSR ID#1MS/MSD off the confirmatory column and should be qualified as estimated. Since the column was not prime, no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	Column	%D	Qualifier	Associated Sample
S073004-CCV1	MCPP	1	29.9	UJ/J	B310789
S073004-CCV2	Dalapon	2	15.3	UJ/J	B310789, 1, 4, 1MS/MSD
S073004-CCV2	MCPA	1	23.5	UJ/J	B310789
S073004-CCV2	MCPP	1	39.0	UJ/J	B310789
S073004-CCV3	Dalapon	1	15.4	UJ/J	B310789
S073004-CCV3	Dalapon	2	17.8	UJ/J	B310789, 1, 4, 1MS/MSD
S073004-CCV3	MCPA	1	27.5	UJ/J	B310789
S073004-CCV3	MCPP	1	43.5	UJ/J	B310789
S073004-CCV4	MCPA	1	19.9	UJ/J	B310789
S073004-CCV4	MCPP	1	36.1	UJ/J	B310789
S073004-CCV5	MCPA	1	24.5	UJ/J	B310789
S073004-CCV5	MCPP	1	39.1	UJ/J	B310789
S074018-CCV2	2,4,5-TP	2	-15.3	UJ/J	B312868

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, MS/MSD/Duplicate, Laboratory Control Samples and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except several target analytes were detected in the blanks. These target analytes should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
B310639	Cu	.40mg/kg	JH	1
B310639	Pb	.24mg/kg	JH	1
B310639	Zn	.47mg/kg	JH	1
B310605	Cu	.16mg/kg	JH	4
B310605	Zn	.41mg/kg	JH	4
B310605	Pb	.29mg/kg	JH	4
B310050	Fe	.039mg/L	JH	8
B310050	Mg	.015mg/L	JH	8
B310420	Fe	.022mg/L	JH	5
S075382-CCBA	Mg	.011mg/L	JH	5
S075382-CCBA	Mn	.0043mg/L	JH	5
S075382-CCBB	Mg	.012mg/L	JH	5
S075382-CCBB	Mn	.0049mg/L	JH	5

LABORATORY CONTROL SAMPLE
All criteria were met a target analyte was outside QC limits, low in B310605-BS1/BSD1 and should be qualified as estimated.

Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
Sb	68.5	62.3	UJ	4

MS/MSD/DUPLICATE
All criteria were met except the %Rec of Sb was outside QC limits, low in DUSR ID#1MS/MSD and should be qualified as estimated in DUSR ID#1 and #1MS/MSD.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %D of several target analytes was outside QC limits in the calibrations and should be qualified in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
S072856-LCV1	As	19.2	UJ/J	B310639, 1
S072920-LCV1	Al	15.7	UJ/J	B310605, 4
S072920-LCV1	Be	11.4	UJ/J	B310605, 4
S072920-LCV1	Cd	19.2	UJ/J	B310605, 4
S072920-LCV1	Cu	15.5	UJ/J	B310605, 4
S075356-LCV1	Ba	10.7	UJ/J	B310050, 8
S075356-LCV1	Cr	14.7	UJ/J	B310050, 8
S075356-LCV1	V	13.0	UJ/J	B310050, 8
S076514-LCV1	Pb	14.5	UJ/J	4

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except Cn was detected above the MDL, below the reporting limit and is qualified as estimated in B310437-BLK1. This target analyte should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(mg/kg)	Qualifier	Associated Sample
B307045	Cn	.27	U at RL	4

The concentration of Cyanide exceeded the calibration limits in B310756-BS1/BSD1 and is qualified with an ‘E’.
Cn was detected in DUSR ID#4 and #5 but was not detected in #1 and #8.

%SOLIDS
All criteria were met except samples DUSR ID#1-4 were outside hold time and are qualified with an 'H'.
The %RPD was outside QC limits between DUSR ID#1 and #1DUP and DUSR ID#3 and #3DUP. This is likely due to sample non-homogeneity.

SUBCONTRACTED: SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below MS/MSD.

All samples were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the RPD of 1,4-Dioxane was outside QC limits, between DUSR ID#1MS and #1MSD and should be qualified as estimated in DUSR ID#1 and #1MS/MSD.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151 samples were derivatized on 06/20/22.

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

For method 8151 samples were derivatized on 07/15/22.

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

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SM 2540G

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

% Solids
22F0251-01[QNSB-MPND-SE-101], 22F0251-02[QNSB-MPND-SE-102], 22F0251-03[QNSB-MPND-SE-103], 22F0251-04[QNSB-MPND-SE-DUP-01]

R-02

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:

% Solids
22F0251-01[QNSB-MPND-SE-101], 22F0251-03[QNSB-MPND-SE-103], B310788-DUP2, B311014-DUP1

SOP-454 PFAS

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Perfluorodecanesulfonic acid (PFDS)
B310316-MS1, B310316-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

N-EtFOSAA (NEtFOSAA)
B310316-MS1

Perfluorobutanoic acid (PFBA)
22F0251-05[QNSB-MPND-WS-101], B310316-MS1

Perfluorononanesulfonic acid (PFNS)
B310316-MSD1

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M3HFPO-DA
S073682-IBL1

PF-18

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

M2-8:2FTS
B310316-MS1, B310316-MSD1

M2PFTA
B310316-MS1, B310316-MSD1

M7PFUnA
B310316-MS1

M8FOSA
B310316-MS1, B310316-MSD1

MPFDoA
B310316-MS1, B310316-MSD1

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S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

D3-NMeFOSAA
B310316-MSD1

D5-NEtFOSAA
B310316-MSD1

M2-4:2FTS
22F0251-07[QNSB-MPND-WS-103]

M2-8:2FTS
22F0251-05[QNSB-MPND-WS-101], 22F0251-06[QNSB-MPND-WS-102], 22F0251-07[QNSB-MPND-WS-103], 22F0251-08[QNSB-MPND-WS-DUP-01]

M2PFTA
22F0251-05[QNSB-MPND-WS-101], 22F0251-06[QNSB-MPND-WS-102], 22F0251-07[QNSB-MPND-WS-103], 22F0251-08[QNSB-MPND-WS-DUP-01]

M3HFPO-DA
S073682-CCV2

M6PFDA
B310316-MSD1

M7PFUnA
22F0251-06[QNSB-MPND-WS-102], 22F0251-07[QNSB-MPND-WS-103], B310316-MSD1

M8FOSA
22F0251-05[QNSB-MPND-WS-101], 22F0251-06[QNSB-MPND-WS-102], 22F0251-07[QNSB-MPND-WS-103], 22F0251-08[QNSB-MPND-WS-DUP-01]

M9PFNA
22F0251-07[QNSB-MPND-WS-103], B310316-MSD1

MPFDoA
22F0251-07[QNSB-MPND-WS-103]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

8:2 Fluorotelomersulfonic acid (8:2FTS A)
S073682-CCV2

SOP-466 PFAS

Qualifications:

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Perfluoro-1-hexanesulfonamide (FHxSA)
S073944-CCV2

Perfluorooctanesulfonamide (FOSA)
S073944-CCV4

SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Aluminum
B310050-BS1, B310050-BSD1

Iron
22F0251-08[QNSB-MPND-WS-DUP-01], B310050-BLK1

Lead
22F0251-04[QNSB-MPND-SE-DUP-01], B310605-BLK1

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

Aluminum
22F0251-08[QNSB-MPND-WS-DUP-01], B310050-BLK1

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B-06

Continuing calibration blank did not meet method specified criteria. Data is not affected since all associated samples were "Not Detected" even though CCB value was above the reporting limit.

Analyte & Samples(s) Qualified:

Lead
22F0251-08[QNSB-MPND-WS-DUP-01], S075356-CCB3

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Lead
22F0251-08[QNSB-MPND-WS-DUP-01], B310050-BLK1

Magnesium
22F0251-08[QNSB-MPND-WS-DUP-01], B310050-BLK1

Zinc
22F0251-01[QNSB-MPND-SE-101]

B-08

Continuing Calibration Blank (CCB) was greater than the method detection limit but less than the reporting limit.

Analyte & Samples(s) Qualified:

Aluminum
S075382-CCB2, S075382-CCB6, S075382-CCB7

Beryllium
22F0251-01[QNSB-MPND-SE-101], 22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], S072862-CCB1, S072862-CCB2, S072862-CCB3, S072862-CCB5, S072862-CCB6, S075356-CCB1, S075356-CCB2, S075356-CCB3, S075356-CCB4, S075356-CCB5, S075382-CCBA, S075382-CCBB

Cadmium
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], S075382-CCB2, S075382-CCB3, S075382-CCBA, S075382-CCBB

Chromium
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], S075382-CCBB

Cobalt
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], S075356-CCB2, S075356-CCB3, S075356-CCB4, S075356-CCB5, S075382-CCBA, S075382-CCBB

Copper
22F0251-05[QNSB-MPND-WS-101], S075356-CCB5, S075382-CCBB

Iron
S075356-CCB4, S075356-CCB5, S075382-CCB2, S075382-CCB3, S075382-CCB5, S075382-CCB7

Lead
22F0251-05[QNSB-MPND-WS-101], S075356-CCB1, S075356-CCB2, S075356-CCB4, S075356-CCB5, S075382-CCBA, S075382-CCBB

Magnesium
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], S075356-CCB3, S075356-CCB4, S075356-CCB5, S075382-CCB7, S075382-CCB8, S075382-CCBA, S075382-CCBB

Manganese
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], S075356-CCB3, S075356-CCB5, S075382-CCB2, S075382-CCB3, S075382-CCBA, S075382-CCBB

Vanadium
22F0251-08[QNSB-MPND-WS-DUP-01], S075356-CCB3, S075356-CCB4, S075356-CCB5

Zinc
S075382-CCB1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Cadmium
B310639-BS1

Cobalt
B310605-BSD1

Lead
B310639-BS1

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M-10

The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side.

Analyte & Samples(s) Qualified:

Lead

22F0251-01[QNSB-MPND-SE-101], 22F0251-04[QNSB-MPND-SE-DUP-01], B310605-SRM1, B310639-SRM1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony

22F0251-01[QNSB-MPND-SE-101], B310639-MS1, B310639-MSD1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

B310639-MS1, B310639-MSD1

Aluminum

22F0251-01[QNSB-MPND-SE-101]

Calcium

22F0251-01[QNSB-MPND-SE-101], 22F0251-05[QNSB-MPND-WS-101], B310420-MS1, B310639-MS2, B310639-MSD2

Iron

22F0251-01[QNSB-MPND-SE-101], B310639-MS2, B310639-MSD2

Magnesium

22F0251-01[QNSB-MPND-SE-101], B310639-MS2, B310639-MSD2

Manganese

22F0251-01[QNSB-MPND-SE-101], B310639-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

B310639-MSD1

Barium

B310639-MSD1

Cobalt

B310639-MSD1

Nickel

B310639-MSD1

Zinc

B310639-MSD1

SW-846 8081B

Qualifications:

DL-03

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

22F0251-01[QNSB-MPND-SE-101], 22F0251-04[QNSB-MPND-SE-DUP-01]

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene [2C]

B310282-MS1

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V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Endrin Aldehyde [2C]
B310282-MS1, B310282-MSD1

SW-846 8151A

Qualifications:

DL-03

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

22F0251-04[QNSB-MPND-SE-DUP-01]

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01]

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

2,4-DB
B310789-MS2, B310789-MSD2

Dichloroprop
B310789-MS2, B310789-MSD2

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

MCPP [2C]
B310789-MSD2

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2,4,5-TP (Silvex)
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B312868-BLK1, B312868-BS1, B312868-BSD1

Dalapon
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B312868-BLK1, B312868-BS1, B312868-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

MCPP [2C]
22F0251-01[QNSB-MPND-SE-101], B310789-MS2

S-02

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Analyte & Samples(s) Qualified:

2,4-Dichlorophenylacetic acid
22F0251-01[QNSB-MPND-SE-101], 22F0251-04[QNSB-MPND-SE-DUP-01]

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

2,4-Dichlorophenylacetic acid
B310789-MSD2

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V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4,5-TP (Silvex) [2C]
B312868-BLK1, B312868-BS1, B312868-BSD1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Dalapon
B310789-MS2, B310789-MSD2

Dalapon [2C]
B310789-BS1, B310789-BSD1, B310789-MS2, B310789-MSD2

MCPA
B310789-BS1, B310789-BSD1, B310789-MS2, B310789-MSD2

MCPP
B310789-BS1, B310789-BSD1, B310789-MS2, B310789-MSD2

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Dalapon
22F0251-01[QNSB-MPND-SE-101], 22F0251-04[QNSB-MPND-SE-DUP-01]

Dalapon [2C]
22F0251-01[QNSB-MPND-SE-101], 22F0251-04[QNSB-MPND-SE-DUP-01]

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B310029-BS1, B310029-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane
22F0251-02[QNSB-MPND-SE-102], B309985-BLK1, B309985-BS1, B309985-BSD1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B310013-MS1, B310013-MSD1

Chloroethane
B310013-MS1, B310013-MSD1

Vinyl Chloride
B310013-MS1, B310013-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B310029-MS1

1,2,4-Trichlorobenzene
B310029-MS1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Chloromethane

22F0251-02[QNSB-MPND-SE-102], B309985-BLK1, B309985-BS1, B309985-BSD1, S072454-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1,2,2-Tetrachloroethane

B310013-BS1, B310013-BSD1, B310013-MS1, B310013-MSD1, S072416-CCV1

2-Butanone (MEK)

B310029-BS1, B310029-BSD1, B310029-MS1, B310029-MSD1, S072378-CCV1

Bromochloromethane

B309985-BS1, B309985-BSD1, S072454-CCV1

Bromoform

B309985-BS1, B309985-BSD1, S072454-CCV1

Bromomethane

B309985-BS1, B309985-BSD1, B310013-BS1, B310013-BSD1, B310013-MS1, B310013-MSD1, B310029-BS1, B310029-BSD1, B310029-MS1, B310029-MSD1, S072378-CCV1, S072416-CCV1, S072454-CCV1

Carbon Disulfide

B309985-BS1, B309985-BSD1, B310029-BS1, B310029-BSD1, B310029-MS1, B310029-MSD1, S072378-CCV1, S072454-CCV1

Vinyl Chloride

B309985-BS1, B309985-BSD1, S072454-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane

22F0251-01[QNSB-MPND-SE-101], 22F0251-03[QNSB-MPND-SE-103], 22F0251-04[QNSB-MPND-SE-DUP-01], B310029-BLK1, B310029-BS1, B310029-BSD1, B310029-MS1, B310029-MSD1, S072378-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)

B310029-BS1, B310029-BSD1, B310029-MS1, B310029-MSD1, S072378-CCV1

2-Hexanone (MBK)

B310029-BS1, B310029-BSD1, B310029-MS1, B310029-MSD1, S072378-CCV1

Acetone

B310029-BS1, B310029-BSD1, B310029-MS1, B310029-MSD1, S072378-CCV1

SW-846 8270D-E

Qualifications:

Ja

Detected below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag)

Analyte & Samples(s) Qualified:

1,4-Dioxane (SIM)

22F0251-01[QNSB-MPND-SE-101], 22F0251-04[QNSB-MPND-SE-DUP-01]

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Heptane, 2,5-dimethyl-

22F0251-04[QNSB-MPND-SE-DUP-01], B310381-BLK1

Triphenylphosphine oxide

22F0251-04[QNSB-MPND-SE-DUP-01], 22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310381-BLK1

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L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Caprolactam
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Hexachlorobutadiene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Hexachlorocyclopentadiene
22F0251-01[QNSB-MPND-SE-101], 22F0251-04[QNSB-MPND-SE-DUP-01], 22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1, B310381-BLK1, B310381-BS1, B310381-BSD1

Hexachloroethane
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Naphthalene
B310287-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

2,4,6-Trichlorophenol
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1

3,3-Dichlorobenzidine
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1

3-Nitroaniline
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1

4-Chloroaniline
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1

Caprolactam
22F0251-05[QNSB-MPND-WS-101], B310287-MS1, B310287-MSD1

Hexachlorobutadiene
22F0251-05[QNSB-MPND-WS-101], B310287-MS1, B310287-MSD1

Hexachlorocyclopentadiene
22F0251-01[QNSB-MPND-SE-101], 22F0251-05[QNSB-MPND-WS-101], B310287-MS1, B310287-MSD1, B310381-MS1, B310381-MSD1

Hexachloroethane
22F0251-01[QNSB-MPND-SE-101], 22F0251-05[QNSB-MPND-WS-101], B310287-MS1, B310287-MSD1, B310381-MS1, B310381-MSD1

Pentachlorophenol
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Acenaphthene
B310287-MS1

Acenaphthylene
B310287-MS1

Acetophenone
B310287-MS1

Benzaldehyde
B310381-MSD1

Bis(2-chloroethyl)ether
B310287-MS1

Nitrobenzene
B310287-MS1

Phenol
B310287-MS1

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MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

1,2,4,5-Tetrachlorobenzene
B310287-MS1

2-Chloronaphthalene
B310287-MS1

2-Methylnaphthalene
B310287-MS1

Benzaldehyde
B310287-MS1

Biphenyl
B310287-MS1

Bis(2-chloroisopropyl)ether
B310287-MS1

Naphthalene
B310287-MS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2,4-Dimethylphenol
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

2,4-Dinitrotoluene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

2,6-Dinitrotoluene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

2-Methylnaphthalene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

4-Chloro-3-methylphenol
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

4-Chlorophenylphenylether
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Acenaphthene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Acenaphthylene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Atrazine
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Benzo(b)fluoranthene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Benzo(g,h,i)perylene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Benzo(k)fluoranthene
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Dibenzofuran
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

Di-n-octylphthalate
22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1

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R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

1,2,4,5-Tetrachlorobenzene
22F0251-05[QNSB-MPND-WS-101], B310287-MSD1

2-Chloronaphthalene
22F0251-05[QNSB-MPND-WS-101], B310287-MSD1

2-Methylnaphthalene
22F0251-05[QNSB-MPND-WS-101], B310287-MSD1

2-Nitrophenol
22F0251-05[QNSB-MPND-WS-101], B310287-MS1, B310287-MSD1

3,3-Dichlorobenzidine
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1

Benzaldehyde
22F0251-05[QNSB-MPND-WS-101], B310287-MSD1

Biphenyl
22F0251-05[QNSB-MPND-WS-101], B310287-MSD1

Bis(2-chloroisopropyl)ether
22F0251-05[QNSB-MPND-WS-101], B310287-MSD1

Hexachlorobutadiene
22F0251-05[QNSB-MPND-WS-101], B310287-MS1, B310287-MSD1

Hexachloroethane
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1

Naphthalene
22F0251-05[QNSB-MPND-WS-101], B310287-MSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria.

Analyte & Samples(s) Qualified:

1,4-Dioxane-d8
B310176-MSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1, S072939-CCV1

4,6-Dinitro-2-methylphenol
22F0251-01[QNSB-MPND-SE-101], B310381-MS1, B310381-MSD1, S072939-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
22F0251-04[QNSB-MPND-SE-DUP-01], 22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1, B310287-MS1, B310287-MSD1, B310381-BLK1, B310381-BS1, B310381-BSD1, S072793-CCV1, S072834-CCV1

Pentachlorophenol
22F0251-04[QNSB-MPND-SE-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1, B310381-BLK1, B310381-BS1, B310381-BSD1, S072793-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline
22F0251-01[QNSB-MPND-SE-101], 22F0251-04[QNSB-MPND-SE-DUP-01], 22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1, B310287-MS1, B310287-MSD1, B310381-BLK1, B310381-BS1, B310381-BSD1, B310381-MS1, B310381-MSD1, S072793-CCV1, S072834-CCV1, S072939-CCV1, S074473-ICV1, S074726-ICV1

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V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Nitroaniline

22F0251-04[QNSB-MPND-SE-DUP-01], 22F0251-05[QNSB-MPND-WS-101], 22F0251-08[QNSB-MPND-WS-DUP-01], B310287-BLK1, B310287-BS1, B310287-BSD1, B310287-MS1, B310287-MSD1, B310381-BLK1, B310381-BS1, B310381-BSD1, S072793-CCV1, S072834-CCV1, S074473-ICV1, S074726-ICV1

SW-846 9014

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Cyanide

B310756-BS1, B310756-BSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.097	0.23	0.021	mg/Kg dry	1	J	SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Benzene	ND	0.0045	0.0012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Bromochloromethane	ND	0.0045	0.0020	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Bromodichloromethane	ND	0.0045	0.0011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Bromoform	ND	0.0045	0.0014	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Bromomethane	ND	0.023	0.0037	mg/Kg dry	1	V-34	SW-846 8260D	6/6/22	6/6/22 6:36	MFF
2-Butanone (MEK)	0.027	0.091	0.013	mg/Kg dry	1	J	SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Carbon Disulfide	ND	0.023	0.016	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Carbon Tetrachloride	ND	0.0045	0.0020	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Chlorobenzene	ND	0.0045	0.0013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Chlorodibromomethane	ND	0.0023	0.0013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Chloroethane	ND	0.045	0.0028	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Chloroform	ND	0.0091	0.0013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Chloromethane	ND	0.023	0.0023	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Cyclohexane	ND	0.023	0.0092	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0045	0.0020	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,2-Dibromoethane (EDB)	ND	0.0023	0.0015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,2-Dichlorobenzene	ND	0.0045	0.00099	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,3-Dichlorobenzene	ND	0.0045	0.0011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,4-Dichlorobenzene	ND	0.0045	0.0012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.045	0.0024	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,1-Dichloroethane	ND	0.0045	0.0016	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,2-Dichloroethane	ND	0.0045	0.0015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,1-Dichloroethylene	ND	0.0091	0.0016	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
cis-1,2-Dichloroethylene	ND	0.0045	0.0013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
trans-1,2-Dichloroethylene	ND	0.0045	0.0015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,2-Dichloropropane	ND	0.0045	0.0013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
cis-1,3-Dichloropropene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
trans-1,3-Dichloropropene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,4-Dioxane	ND	0.23	0.080	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Ethylbenzene	ND	0.0045	0.0012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
2-Hexanone (MBK)	ND	0.045	0.013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Isopropylbenzene (Cumene)	ND	0.0045	0.0016	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Methyl Acetate	ND	0.0045	0.0033	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0091	0.00081	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Methyl Cyclohexane	ND	0.0045	0.0017	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Methylene Chloride	ND	0.045	0.0033	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.045	0.0095	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Styrene	ND	0.0045	0.00093	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.0023	0.0012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Tetrachloroethylene	ND	0.0045	0.0015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Toluene	ND	0.0045	0.0012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,2,3-Trichlorobenzene	ND	0.0045	0.0012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,2,4-Trichlorobenzene	ND	0.0045	0.0011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0045	0.0018	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,1,2-Trichloroethane	ND	0.0045	0.0010	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Trichloroethylene	ND	0.0045	0.0015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.023	0.0015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Vinyl Chloride	ND	0.023	0.0014	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF
Xylenes (total)	ND	0.0045	0.0045	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 6:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	101	70-130		6/6/22	6:36
Toluene-d8	95.0	70-130		6/6/22	6:36
4-Bromofluorobenzene	92.3	70-130		6/6/22	6:36

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	0.12	mg/Kg dry	2538410	1.171	1	000124-38-9	4	SW-846 8260D	6/6/22	6/6/22 6:36	MFF
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	6/6/22	6/6/22 6:36	MFF

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	2.7	0.18	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Benzaldehyde	0.16	1.3	0.13	mg/Kg dry	1	J	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Biphenyl	ND	2.7	0.21	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Caprolactam	ND	1.3	0.19	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Acenaphthene	ND	0.67	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Acenaphthylene	ND	0.67	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Acetophenone	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Anthracene	ND	0.67	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Benzo(a)anthracene	ND	0.67	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Benzo(a)pyrene	ND	0.67	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Benzo(b)fluoranthene	ND	0.67	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Benzo(g,h,i)perylene	ND	0.67	0.29	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Benzo(k)fluoranthene	ND	0.67	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Bis(2-chloroethoxy)methane	ND	1.3	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Bis(2-chloroethyl)ether	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Bis(2-chloroisopropyl)ether	ND	1.3	0.36	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Bis(2-Ethylhexyl)phthalate	ND	1.3	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
4-Bromophenylphenylether	ND	1.3	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Butylbenzylphthalate	ND	1.3	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Carbazole	ND	0.67	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
4-Chloroaniline	ND	2.6	0.17	mg/Kg dry	1	MS-09, V-34	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
4-Chloro-3-methylphenol	ND	2.6	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2-Chloronaphthalene	ND	1.3	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2-Chlorophenol	ND	1.3	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
4-Chlorophenylphenylether	ND	1.3	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Chrysene	ND	0.67	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Dibenz(a,h)anthracene	ND	0.67	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Dibenzofuran	ND	1.3	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Di-n-butylphthalate	ND	1.3	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
3,3-Dichlorobenzidine	ND	0.67	0.18	mg/Kg dry	1	MS-09, R-06	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2,4-Dichlorophenol	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Diethylphthalate	ND	1.3	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2,4-Dimethylphenol	ND	1.3	0.34	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Dimethylphthalate	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
4,6-Dinitro-2-methylphenol	ND	1.3	1.1	mg/Kg dry	1	V-04	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2,4-Dinitrophenol	ND	2.6	1.2	mg/Kg dry	1	V-04	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2,4-Dinitrotoluene	ND	1.3	0.28	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2,6-Dinitrotoluene	ND	1.3	0.30	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Di-n-octylphthalate	ND	1.3	0.39	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Fluoranthene	ND	0.67	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Fluorene	ND	0.67	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Hexachlorobenzene	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Hexachlorobutadiene	ND	1.3	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Hexachlorocyclopentadiene	ND	1.3	0.53	mg/Kg dry	1	L-04, MS-09	SW-846 8270E	6/9/22	6/17/22 15:16	IMR

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.3	0.25	mg/Kg dry	1	MS-09, R-06	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Indeno(1,2,3-cd)pyrene	ND	0.67	0.31	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Isophorone	ND	1.3	0.28	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2-Methylnaphthalene	ND	0.67	0.30	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2-Methylphenol	ND	1.3	0.29	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
3/4-Methylphenol	ND	1.3	0.29	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Naphthalene	ND	0.67	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2-Nitroaniline	ND	1.3	0.30	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
3-Nitroaniline	ND	1.3	0.24	mg/Kg dry	1	MS-09	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
4-Nitroaniline	ND	1.3	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Nitrobenzene	ND	1.3	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2-Nitrophenol	ND	1.3	0.29	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
4-Nitrophenol	ND	2.6	0.58	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
N-Nitrosodi-n-propylamine	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Pentachlorophenol	ND	1.3	0.54	mg/Kg dry	1	MS-09	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Phenanthrene	ND	0.67	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Phenol	ND	1.3	0.30	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Pyrene	ND	0.67	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
1,2,4,5-Tetrachlorobenzene	ND	1.3	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2,4,5-Trichlorophenol	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/17/22 15:16	IMR
2,4,6-Trichlorophenol	ND	1.3	0.26	mg/Kg dry	1	MS-09	SW-846 8270E	6/9/22	6/17/22 15:16	IMR

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	49.1		30-130		6/17/22 15:16
Phenol-d6	48.5		30-130		6/17/22 15:16
Nitrobenzene-d5	70.1		30-130		6/17/22 15:16
2-Fluorobiphenyl	59.7		30-130		6/17/22 15:16
2,4,6-Tribromophenol	**22.7**	*	30-130	S-07	6/17/22 15:16
p-Terphenyl-d14	70.9		30-130		6/17/22 15:16

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.5	0.20	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.5	0.23	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.5	0.23	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.5	0.28	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.5	0.42	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.5	0.38	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.5	0.49	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.5	0.73	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.5	0.39	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorodecanoic acid (PFDA)	ND	1.5	0.20	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.5	0.23	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.5	0.25	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.5	0.46	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.5	0.43	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.5	0.28	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.5	0.29	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.5	0.34	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.5	0.28	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.5	0.35	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.5	0.30	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.5	0.41	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.5	0.46	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.5	0.48	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.5	0.24	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.5	0.29	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.5	0.28	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.5	0.35	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.5	0.22	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.5	0.28	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.5	0.24	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.5	0.22	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorooctanoic acid (PFOA)	ND	1.5	0.43	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.5	0.21	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH
Perfluorononanoic acid (PFNA)	ND	1.5	0.25	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:16	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
1,19-Eicosadiene	5.4	mg/Kg dry	1030850	12.377	1	014811-95-1	95	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
3-Penten-2-one, 4-methyl-	4.0	mg/Kg dry	828247	2.459	1	000141-79-7	91	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
6-Octadecenoic acid, (Z)-	4.7	mg/Kg dry	1420900	7.158	1	000593-39-5	98	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
9-Tricosene, (Z)-	3.1	mg/Kg dry	593169	13.981	1	027519-02-4	93	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Ethanol, 2-(tetradecyloxy)-	5.2	mg/Kg dry	1262030	9.892	1	002136-70-1	93	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
n-Hexadecanoic acid	5.4	mg/Kg dry	1623710	6.566	1	000057-10-3	98	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Oxirane, hexadecyl-	5.2	mg/Kg dry	997991	13.577	1	007390-81-0	91	SW-846 8270E	6/9/22	6/17/22 15:16	IMR
Tetracosane	8.0	mg/Kg dry	1523480	11.319	1	000646-31-1	93	SW-846 8270E	6/9/22	6/17/22 15:16	IMR

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

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Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.40	0.13	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
gamma-Chlordane [1]	ND	0.40	0.17	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Alachlor [1]	ND	1.6	0.44	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Aldrin [1]	ND	0.40	0.034	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
alpha-BHC [1]	ND	0.40	0.17	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
beta-BHC [1]	ND	0.40	0.14	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
delta-BHC [1]	ND	0.40	0.19	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
gamma-BHC (Lindane) [1]	ND	0.16	0.037	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
4,4'-DDD [1]	ND	0.32	0.060	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
4,4'-DDE [1]	ND	0.32	0.033	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
4,4'-DDT [1]	ND	0.32	0.036	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Dieldrin [1]	ND	0.32	0.029	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Endosulfan I [1]	ND	0.40	0.14	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Endosulfan II [1]	ND	0.63	0.14	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Endosulfan sulfate [1]	ND	0.63	0.15	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Endrin [1]	ND	0.63	0.13	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Endrin aldehyde [1]	ND	0.63	0.32	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Endrin ketone [1]	ND	0.63	0.18	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Heptachlor [1]	ND	0.40	0.043	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Heptachlor epoxide [1]	ND	0.40	0.034	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Methoxychlor [1]	ND	4.0	0.49	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB
Toxaphene [1]	ND	7.9	2.4	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 9:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.0	30-150		6/18/22 9:42
Decachlorobiphenyl [2]	94.9	30-150		6/18/22 9:42
Tetrachloro-m-xylene [1]	103	30-150		6/18/22 9:42
Tetrachloro-m-xylene [2]	93.1	30-150		6/18/22 9:42

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.32	0.12	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG
Aroclor-1221 [1]	ND	0.32	0.18	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG
Aroclor-1232 [1]	ND	0.32	0.12	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG
Aroclor-1242 [1]	ND	0.32	0.12	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG
Aroclor-1248 [1]	ND	0.32	0.11	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG
Aroclor-1254 [1]	ND	0.32	0.098	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG
Aroclor-1260 [1]	ND	0.32	0.12	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG
Aroclor-1262 [1]	ND	0.32	0.11	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG
Aroclor-1268 [1]	ND	0.32	0.13	mg/Kg dry	4		SW-846 8082A	6/7/22	6/10/22 11:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.5	30-150		6/10/22 11:45
Decachlorobiphenyl [2]	66.9	30-150		6/10/22 11:45
Tetrachloro-m-xylene [1]	69.5	30-150		6/10/22 11:45
Tetrachloro-m-xylene [2]	71.0	30-150		6/10/22 11:45

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [2]	ND	400	34	µg/kg dry	4		SW-846 8151A	6/15/22	6/20/22 17:27	TG
2,4-DB [2]	ND	400	79	µg/kg dry	4		SW-846 8151A	6/15/22	6/20/22 17:27	TG
2,4,5-TP (Silvex) [2]	ND	40	4.4	µg/kg dry	4		SW-846 8151A	6/15/22	6/20/22 17:27	TG
2,4,5-T [2]	ND	40	5.4	µg/kg dry	4		SW-846 8151A	6/15/22	6/20/22 17:27	TG
Dalapon [2]	ND	990	60	µg/kg dry	4	V-20	SW-846 8151A	6/15/22	6/20/22 17:27	TG
Dicamba [2]	ND	40	5.5	µg/kg dry	4		SW-846 8151A	6/15/22	6/20/22 17:27	TG
Dichloroprop [2]	ND	400	75	µg/kg dry	4		SW-846 8151A	6/15/22	6/20/22 17:27	TG
Dinoseb [2]	ND	200	8.3	µg/kg dry	4		SW-846 8151A	6/15/22	6/20/22 17:27	TG
MCPA [2]	ND	40000	6000	µg/kg dry	4		SW-846 8151A	6/15/22	6/20/22 17:27	TG
MCPP [2]	ND	40000	5300	µg/kg dry	4	R-06	SW-846 8151A	6/15/22	6/20/22 17:27	TG

Surrogates	% Recovery		Recovery Limits	Flag/Qual		
2,4-Dichlorophenylacetic acid [1]	**356**	*	30-150	S-02	6/20/22 17:27	
2,4-Dichlorophenylacetic acid [2]	91.2		30-150		6/20/22 17:27	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	9800	66	10	mg/Kg dry	1	MS-19	SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Antimony	ND	6.6	1.4	mg/Kg dry	1	MS-07A	SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Arsenic	8.9	13	1.8	mg/Kg dry	1	J	SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Barium	70	6.6	0.77	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Beryllium	ND	0.66	0.16	mg/Kg dry	1	B-08	SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Cadmium	ND	1.3	0.40	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Calcium	150000	6600	1200	mg/Kg dry	100	MS-19	SW-846 6010D	6/14/22	6/17/22 12:46	MJH
Chromium	14	2.6	0.82	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Cobalt	6.4	6.6	0.69	mg/Kg dry	1	J	SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Copper	24	2.6	0.58	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Iron	23000	6600	1200	mg/Kg dry	100	MS-19	SW-846 6010D	6/14/22	6/17/22 12:46	MJH
Lead	21	2.0	0.75	mg/Kg dry	1	M-10	SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Magnesium	28000	6600	660	mg/Kg dry	100	MS-19	SW-846 6010D	6/14/22	6/17/22 12:46	MJH
Manganese	330	1.3	0.28	mg/Kg dry	1	MS-19	SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Mercury	0.12	0.10	0.027	mg/Kg dry	1		SW-846 7471B	6/16/22	6/17/22 11:56	TDK
Nickel	14	2.6	0.79	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Potassium	1500	660	65	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Selenium	ND	13	2.8	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Silver	ND	1.3	0.48	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Sodium	180	660	90	mg/Kg dry	1	J	SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Thallium	ND	6.6	2.5	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Vanadium	26	2.6	0.79	mg/Kg dry	1		SW-846 6010D	6/14/22	6/16/22 17:55	QNW
Zinc	65	2.6	0.91	mg/Kg dry	1	B-07	SW-846 6010D	6/14/22	6/16/22 17:55	QNW

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	25.2			% Wt	1	R-02, H-06	SM 2540G	6/15/22	6/16/22 10:55	AV
Cyanide	ND	1.8	0.73	mg/Kg dry	1		SW-846 9014	6/10/22	6/11/22 10:38	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-101

Sample ID: 22F0251-01 | Start Date/Time: 6/2/2022 11:30:00AM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 12:05:00PM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	29	65		ug/Kg	5	Ja	SW-846 8270D-E	6/14/22	6/16/22 11:09	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-102

Sample ID: 22F0251-02 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:10:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	23	0.94	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Benzene	ND	0.46	0.093	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Bromochloromethane	ND	0.46	0.14	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Bromodichloromethane	ND	0.46	0.084	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Bromoform	ND	0.46	0.18	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Bromomethane	ND	0.93	0.71	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
2-Butanone (MEK)	ND	9.3	0.75	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Carbon Disulfide	ND	2.3	0.67	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Carbon Tetrachloride	ND	0.46	0.076	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Chlorobenzene	ND	0.46	0.049	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Chlorodibromomethane	ND	0.23	0.10	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Chloroethane	ND	0.93	0.15	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Chloroform	ND	0.93	0.078	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Chloromethane	ND	0.93	0.24	mg/Kg dry	1	L-04, V-05	SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Cyclohexane	ND	0.93	0.81	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.3	0.37	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,2-Dibromoethane (EDB)	ND	0.23	0.079	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,2-Dichlorobenzene	ND	0.46	0.056	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,3-Dichlorobenzene	ND	0.46	0.055	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,4-Dichlorobenzene	ND	0.46	0.060	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.93	0.089	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,1-Dichloroethane	ND	0.46	0.066	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,2-Dichloroethane	ND	0.46	0.14	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,1-Dichloroethylene	ND	0.46	0.066	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
cis-1,2-Dichloroethylene	ND	0.46	0.068	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
trans-1,2-Dichloroethylene	ND	0.46	0.078	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,2-Dichloropropane	ND	0.46	0.084	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
cis-1,3-Dichloropropene	ND	0.23	0.073	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
trans-1,3-Dichloropropene	ND	0.23	0.078	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,4-Dioxane	ND	23	9.6	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Ethylbenzene	ND	0.46	0.10	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
2-Hexanone (MBK)	ND	4.6	0.52	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Isopropylbenzene (Cumene)	ND	0.46	0.050	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Methyl Acetate	1.4	4.6	0.21	mg/Kg dry	1	J	SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.46	0.080	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Methyl Cyclohexane	ND	0.46	0.11	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Methylene Chloride	ND	2.3	0.11	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
4-Methyl-2-pentanone (MIBK)	ND	4.6	0.59	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Styrene	ND	0.46	0.049	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,1,2,2-Tetrachloroethane	ND	0.23	0.059	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Tetrachloroethylene	ND	0.46	0.087	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Toluene	ND	0.46	0.10	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,2,3-Trichlorobenzene	ND	2.3	0.14	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,2,4-Trichlorobenzene	ND	0.46	0.12	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-102

Sample ID: 22F0251-02 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:10:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.46	0.078	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,1,2-Trichloroethane	ND	0.46	0.085	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Trichloroethylene	ND	0.46	0.088	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Trichlorofluoromethane (Freon 11)	ND	0.93	0.081	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.46	0.11	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Vinyl Chloride	ND	0.93	0.096	mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH
Xylenes (total)	0.0			mg/Kg dry	1		SW-846 8260D	6/6/22	6/8/22 3:34	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		6/8/22 3:34
Toluene-d8	101	70-130		6/8/22 3:34
4-Bromofluorobenzene	96.6	70-130		6/8/22 3:34

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-102

Sample ID: 22F0251-02 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:10:00PM

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur dioxide	3.1	mg/Kg dry	162517	0.915	1	007446-09-5	83	SW-846 8260D	6/6/22	6/8/22 3:34	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-102

Sample ID: 22F0251-02 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:10:00PM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.4	5.7	0.76	µg/kg dry	1	J	SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	5.7	0.87	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoropentanoic acid (PFPeA)	ND	5.7	0.87	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorohexanoic acid (PFHxA)	ND	5.7	1.1	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
11Cl-PF3OUdS (F53B Major)	ND	5.7	1.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
9Cl-PF3ONS (F53B Minor)	ND	5.7	1.4	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	5.7	1.8	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	5.7	2.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	5.7	1.5	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorodecanoic acid (PFDA)	ND	5.7	0.73	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorododecanoic acid (PFDoA)	ND	5.7	0.87	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	5.7	0.93	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	5.7	1.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
N-EtFOSAA (NEtFOSAA)	ND	5.7	1.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
N-MeFOSAA (NMeFOSAA)	ND	5.7	1.0	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorotetradecanoic acid (PFTA)	ND	5.7	1.1	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	5.7	1.3	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	5.7	1.0	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	5.7	1.3	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorooctanesulfonamide (FOSA)	ND	5.7	1.1	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorononanesulfonic acid (PFNS)	ND	5.7	1.5	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	5.7	1.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	5.7	1.8	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	5.7	0.91	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	5.7	1.1	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	5.7	1.0	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	5.7	1.3	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	5.7	0.83	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoroundecanoic acid (PFUnA)	ND	5.7	1.0	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	5.7	0.88	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluoroheptanoic acid (PFHpA)	ND	5.7	0.82	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorooctanoic acid (PFOA)	ND	5.7	1.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	5.7	0.77	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH
Perfluorononanoic acid (PFNA)	ND	5.7	0.93	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:23	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-102

Sample ID: 22F0251-02 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:10:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	15.7			% Wt	1	H-06	SM 2540G	6/17/22	6/17/22 19:11	BMV

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-102

Sample ID: 22F0251-02 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:10:00PM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	78	73		ug/Kg	5		SW-846 8270D-E	6/14/22	6/17/22 7:34	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-103

Sample ID: 22F0251-03 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:35:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.33	2.2	0.20	mg/Kg dry	1	J	SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Benzene	ND	0.044	0.012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Bromochloromethane	ND	0.044	0.019	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Bromodichloromethane	ND	0.044	0.011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Bromoform	ND	0.044	0.014	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Bromomethane	ND	0.22	0.036	mg/Kg dry	1	V-34	SW-846 8260D	6/6/22	6/6/22 8:17	MFF
2-Butanone (MEK)	ND	0.89	0.13	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Carbon Disulfide	ND	0.22	0.16	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Carbon Tetrachloride	ND	0.044	0.019	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Chlorobenzene	ND	0.044	0.013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Chlorodibromomethane	ND	0.022	0.013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Chloroethane	ND	0.44	0.028	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Chloroform	ND	0.089	0.013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Chloromethane	ND	0.22	0.022	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Cyclohexane	ND	0.22	0.090	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.044	0.019	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,2-Dibromoethane (EDB)	ND	0.022	0.015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,2-Dichlorobenzene	ND	0.044	0.0097	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,3-Dichlorobenzene	ND	0.044	0.011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,4-Dichlorobenzene	ND	0.044	0.012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.44	0.023	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,1-Dichloroethane	ND	0.044	0.015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,2-Dichloroethane	ND	0.044	0.015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,1-Dichloroethylene	ND	0.089	0.016	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
cis-1,2-Dichloroethylene	ND	0.044	0.012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
trans-1,2-Dichloroethylene	ND	0.044	0.015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,2-Dichloropropane	ND	0.044	0.013	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
cis-1,3-Dichloropropene	ND	0.022	0.011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
trans-1,3-Dichloropropene	ND	0.022	0.011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,4-Dioxane	ND	2.2	0.79	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Ethylbenzene	ND	0.044	0.012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
2-Hexanone (MBK)	ND	0.44	0.13	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Isopropylbenzene (Cumene)	ND	0.044	0.016	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Methyl Acetate	ND	0.044	0.033	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.089	0.0080	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Methyl Cyclohexane	ND	0.044	0.017	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Methylene Chloride	ND	0.44	0.033	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.44	0.093	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Styrene	ND	0.044	0.0092	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,1,2,2-Tetrachloroethane	ND	0.022	0.011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Tetrachloroethylene	ND	0.044	0.015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Toluene	ND	0.044	0.011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,2,3-Trichlorobenzene	ND	0.044	0.012	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,2,4-Trichlorobenzene	ND	0.044	0.011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-103

Sample ID: 22F0251-03 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:35:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.044	0.018	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,1,2-Trichloroethane	ND	0.044	0.010	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Trichloroethylene	ND	0.044	0.015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Trichlorofluoromethane (Freon 11)	ND	0.22	0.011	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.22	0.015	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Vinyl Chloride	ND	0.22	0.014	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF
Xylenes (total)	ND	0.044	0.044	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 8:17	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		6/6/22 8:17
Toluene-d8	97.7	70-130		6/6/22 8:17
4-Bromofluorobenzene	95.7	70-130		6/6/22 8:17

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-103

Sample ID: 22F0251-03 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:35:00PM

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	6/6/22	6/6/22 8:17	MFF

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-103

Sample ID: 22F0251-03 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:35:00PM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	20	2.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	20	3.1	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoropentanoic acid (PFPeA)	ND	20	3.1	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorohexanoic acid (PFHxA)	ND	20	3.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
11Cl-PF3OUdS (F53B Major)	ND	20	5.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
9Cl-PF3ONS (F53B Minor)	ND	20	5.0	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	20	6.4	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	20	9.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	20	5.2	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorodecanoic acid (PFDA)	ND	20	2.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorododecanoic acid (PFDoA)	ND	20	3.1	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	20	3.3	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.0	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
N-EtFOSAA (NEtFOSAA)	ND	20	5.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
N-MeFOSAA (NMeFOSAA)	ND	20	3.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorotetradecanoic acid (PFTA)	ND	20	3.8	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	20	4.5	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	20	3.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	20	4.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorooctanesulfonamide (FOSA)	ND	20	3.9	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorononanesulfonic acid (PFNS)	ND	20	5.4	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	20	6.0	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	20	6.3	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	20	3.2	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	20	3.8	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	20	3.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	20	4.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	20	2.9	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoroundecanoic acid (PFUnA)	ND	20	3.6	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	20	3.1	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluoroheptanoic acid (PFHpA)	ND	20	2.9	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorooctanoic acid (PFOA)	ND	20	5.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	20	2.7	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH
Perfluorononanoic acid (PFNA)	ND	20	3.3	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:30	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-103

Sample ID: 22F0251-03 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:35:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	4.44			% Wt	1	H-06, R-02	SM 2540G	6/17/22	6/17/22 19:11	BMV

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-103

Sample ID: 22F0251-03 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Soil | Stop Date/Time: 6/2/2022 1:35:00PM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	ND	300		ug/Kg	5		SW-846 8270D-E	6/14/22	6/17/22 8:06	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.16	0.40	0.037	mg/Kg dry	1	J	SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Benzene	ND	0.0081	0.0022	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Bromochloromethane	ND	0.0081	0.0035	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Bromodichloromethane	ND	0.0081	0.0020	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Bromoform	ND	0.0081	0.0025	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Bromomethane	ND	0.040	0.0066	mg/Kg dry	1	V-34	SW-846 8260D	6/6/22	6/6/22 7:52	MFF
2-Butanone (MEK)	0.043	0.16	0.023	mg/Kg dry	1	J	SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Carbon Disulfide	ND	0.040	0.028	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Carbon Tetrachloride	ND	0.0081	0.0035	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Chlorobenzene	ND	0.0081	0.0024	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Chlorodibromomethane	ND	0.0040	0.0023	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Chloroethane	ND	0.081	0.0050	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Chloroform	ND	0.016	0.0024	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Chloromethane	ND	0.040	0.0041	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Cyclohexane	ND	0.040	0.016	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0081	0.0035	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,2-Dibromoethane (EDB)	ND	0.0040	0.0027	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,2-Dichlorobenzene	ND	0.0081	0.0018	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,3-Dichlorobenzene	ND	0.0081	0.0020	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,4-Dichlorobenzene	ND	0.0081	0.0021	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.081	0.0042	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,1-Dichloroethane	ND	0.0081	0.0028	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,2-Dichloroethane	ND	0.0081	0.0026	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,1-Dichloroethylene	ND	0.016	0.0029	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
cis-1,2-Dichloroethylene	ND	0.0081	0.0023	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
trans-1,2-Dichloroethylene	ND	0.0081	0.0027	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,2-Dichloropropane	ND	0.0081	0.0023	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
cis-1,3-Dichloropropene	ND	0.0040	0.0020	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
trans-1,3-Dichloropropene	ND	0.0040	0.0020	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,4-Dioxane	ND	0.40	0.14	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Ethylbenzene	ND	0.0081	0.0022	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
2-Hexanone (MBK)	ND	0.081	0.023	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Isopropylbenzene (Cumene)	ND	0.0081	0.0028	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Methyl Acetate	ND	0.0081	0.0059	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.016	0.0014	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Methyl Cyclohexane	ND	0.0081	0.0030	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Methylene Chloride	ND	0.081	0.0059	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.081	0.017	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Styrene	ND	0.0081	0.0017	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.0040	0.0021	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Tetrachloroethylene	ND	0.0081	0.0027	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Toluene	ND	0.0081	0.0021	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,2,3-Trichlorobenzene	ND	0.0081	0.0022	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,2,4-Trichlorobenzene	ND	0.0081	0.0019	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0081	0.0032	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,1,2-Trichloroethane	ND	0.0081	0.0018	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Trichloroethylene	ND	0.0081	0.0026	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Trichlorofluoromethane (Freon 11)	ND	0.040	0.0019	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.040	0.0026	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Vinyl Chloride	ND	0.040	0.0026	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF
Xylenes (total)	ND	0.0081	0.0081	mg/Kg dry	1		SW-846 8260D	6/6/22	6/6/22 7:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		6/6/22 7:52
Toluene-d8	95.6	70-130		6/6/22 7:52
4-Bromofluorobenzene	90.9	70-130		6/6/22 7:52

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Project Location: Queensbury Landfill Sample Description: Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	6/6/22	6/6/22 7:52	MFF

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	2.4	0.17	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Benzaldehyde	ND	1.2	0.12	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Biphenyl	ND	2.4	0.19	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Caprolactam	ND	1.2	0.17	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Acenaphthene	ND	0.61	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Acenaphthylene	ND	0.61	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Acetophenone	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Anthracene	ND	0.61	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Benzo(a)anthracene	ND	0.61	0.22	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Benzo(a)pyrene	ND	0.61	0.21	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Benzo(b)fluoranthene	ND	0.61	0.21	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Benzo(g,h,i)perylene	ND	0.61	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Benzo(k)fluoranthene	ND	0.61	0.21	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Bis(2-chloroethoxy)methane	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Bis(2-chloroethyl)ether	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Bis(2-chloroisopropyl)ether	ND	1.2	0.32	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
4-Bromophenylphenylether	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Butylbenzylphthalate	ND	1.2	0.22	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Carbazole	ND	0.61	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
4-Chloroaniline	ND	2.4	0.16	mg/Kg dry	1	V-34	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
4-Chloro-3-methylphenol	ND	2.4	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2-Chloronaphthalene	ND	1.2	0.21	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2-Chlorophenol	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
4-Chlorophenylphenylether	ND	1.2	0.22	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Chrysene	ND	0.61	0.22	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Dibenz(a,h)anthracene	ND	0.61	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Dibenzofuran	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Di-n-butylphthalate	ND	1.2	0.21	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
3,3-Dichlorobenzidine	ND	0.61	0.16	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2,4-Dichlorophenol	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Diethylphthalate	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2,4-Dimethylphenol	ND	1.2	0.31	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Dimethylphthalate	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
4,6-Dinitro-2-methylphenol	ND	1.2	0.97	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2,4-Dinitrophenol	ND	2.4	1.1	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2,4-Dinitrotoluene	ND	1.2	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2,6-Dinitrotoluene	ND	1.2	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Di-n-octylphthalate	ND	1.2	0.35	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Fluoranthene	ND	0.61	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Fluorene	ND	0.61	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Hexachlorobenzene	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Hexachlorobutadiene	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Hexachlorocyclopentadiene	ND	1.2	0.48	mg/Kg dry	1	L-04, V-05	SW-846 8270E	6/9/22	6/15/22 0:23	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Indeno(1,2,3-cd)pyrene	ND	0.61	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Isophorone	ND	1.2	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2-Methylnaphthalene	ND	0.61	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2-Methylphenol	ND	1.2	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
3/4-Methylphenol	ND	1.2	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Naphthalene	ND	0.61	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2-Nitroaniline	ND	1.2	0.27	mg/Kg dry	1	V-35	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
3-Nitroaniline	ND	1.2	0.22	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
4-Nitroaniline	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Nitrobenzene	ND	1.2	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2-Nitrophenol	ND	1.2	0.26	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
4-Nitrophenol	ND	2.4	0.52	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
N-Nitrosodi-n-propylamine	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Pentachlorophenol	ND	1.2	0.49	mg/Kg dry	1	V-05	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Phenanthrene	ND	0.61	0.25	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Phenol	ND	1.2	0.27	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Pyrene	ND	0.61	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2,4,5-Trichlorophenol	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL
2,4,6-Trichlorophenol	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	6/9/22	6/15/22 0:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.4	30-130		6/15/22 0:23
Phenol-d6	41.9	30-130		6/15/22 0:23
Nitrobenzene-d5	58.2	30-130		6/15/22 0:23
2-Fluorobiphenyl	48.9	30-130		6/15/22 0:23
2,4,6-Tribromophenol	37.4	30-130		6/15/22 0:23
p-Terphenyl-d14	67.7	30-130		6/15/22 0:23

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.2	3.0	0.40	µg/kg dry	1	J	SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	3.0	0.46	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoropentanoic acid (PFPeA)	ND	3.0	0.46	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorohexanoic acid (PFHxA)	ND	3.0	0.56	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
11Cl-PF3OUdS (F53B Major)	ND	3.0	0.84	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
9Cl-PF3ONS (F53B Minor)	ND	3.0	0.75	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.0	0.96	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.0	1.4	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	3.0	0.78	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorodecanoic acid (PFDA)	ND	3.0	0.39	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorododecanoic acid (PFDoA)	ND	3.0	0.46	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.0	0.49	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	3.0	0.90	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
N-EtFOSAA (NEtFOSAA)	ND	3.0	0.85	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
N-MeFOSAA (NMeFOSAA)	ND	3.0	0.55	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorotetradecanoic acid (PFTA)	ND	3.0	0.57	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	3.0	0.67	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	3.0	0.55	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	3.0	0.70	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorooctanesulfonamide (FOSA)	ND	3.0	0.59	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorononanesulfonic acid (PFNS)	ND	3.0	0.81	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	3.0	0.91	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	3.0	0.96	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	3.0	0.48	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.0	0.57	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.0	0.55	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	3.0	0.69	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	3.0	0.44	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoroundecanoic acid (PFUnA)	ND	3.0	0.55	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.0	0.47	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluoroheptanoic acid (PFHpA)	ND	3.0	0.43	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorooctanoic acid (PFOA)	ND	3.0	0.85	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	3.0	0.41	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH
Perfluorononanoic acid (PFNA)	ND	3.0	0.49	µg/kg dry	1		SOP-466 PFAS	6/13/22	7/2/22 15:37	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.beta.-Sitosterol	11	mg/Kg dry	718533	13.444	1	000083-46-5	93	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
1-Octadecene	2.8	mg/Kg dry	234701	8.143	1	000112-88-9	95	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
3-Hexene-2,5-dione	2.7	mg/Kg dry	167820	2.916	1	004436-75-3	90	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
3-Penten-2-one, 4-methyl-	6.2	mg/Kg dry	393523	2.182	1	000141-79-7	94	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
6-Octadecenoic acid	3.1	mg/Kg dry	354213	6.786	1	1000336-66-8	87	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
cis-9-Hexadecenoic acid	3.1	mg/Kg dry	360615	6.209	1	1000333-19-5	98	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
dl-.alpha.-Tocopherol	1.6	mg/Kg dry	109734	12.293	1	010191-41-0	95	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Dodecane	0.84	mg/Kg dry	96637	5.663	1	000112-40-3	81	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
eicosane	2.9	mg/Kg dry	239303	9.232	1	000112-95-8	93	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Heptane, 2,5-dimethyl-	1.7	mg/Kg dry	108763	2.345	1	002216-30-0	91	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Lenthionine	0.89	mg/Kg dry	102429	5.581	1	000292-46-6	98	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
n-Hexadecanoic acid	5.8	mg/Kg dry	664372	6.256	1	000057-10-3	99	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
n-Nonadecanol-1	2.0	mg/Kg dry	168103	7.283	1	001454-84-8	94	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Octacosane	1.1	mg/Kg dry	77029	10.545	1	000630-02-4	87	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Oxirane, heptadecyl-	2.1	mg/Kg dry	174157	7.855	1	067860-04-2	94	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Tetradecanoic Acid	1.1	mg/Kg dry	121686	5.707	1	000544-63-8	96	SW-846 8270E	6/9/22	6/15/22 0:23	BGL
Triphenylphosphine oxide	2.3	mg/Kg dry	186952	8.503	1	000791-28-6	91	SW-846 8270E	6/9/22	6/15/22 0:23	BGL

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.36	0.12	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
gamma-Chlordane [1]	ND	0.36	0.15	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Alachlor [1]	ND	1.4	0.40	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Aldrin [1]	ND	0.36	0.031	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
alpha-BHC [1]	ND	0.36	0.15	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
beta-BHC [1]	ND	0.36	0.13	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
delta-BHC [1]	ND	0.36	0.17	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
gamma-BHC (Lindane) [1]	ND	0.14	0.033	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
4,4'-DDD [1]	ND	0.29	0.054	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
4,4'-DDE [1]	ND	0.29	0.029	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
4,4'-DDT [1]	ND	0.29	0.033	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Dieldrin [1]	ND	0.29	0.026	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Endosulfan I [1]	ND	0.36	0.12	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Endosulfan II [1]	ND	0.57	0.12	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Endosulfan sulfate [1]	ND	0.57	0.13	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Endrin [1]	ND	0.57	0.12	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Endrin aldehyde [1]	ND	0.57	0.29	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Endrin ketone [1]	ND	0.57	0.16	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Heptachlor [1]	ND	0.36	0.039	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Heptachlor epoxide [1]	ND	0.36	0.031	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Methoxychlor [1]	ND	3.6	0.44	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB
Toxaphene [1]	ND	7.1	2.2	mg/Kg dry	20		SW-846 8081B	6/7/22	6/18/22 10:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	35.1	30-150		6/18/22 10:09
Decachlorobiphenyl [2]	40.1	30-150		6/18/22 10:09
Tetrachloro-m-xylene [1]	79.1	30-150		6/18/22 10:09
Tetrachloro-m-xylene [2]	64.7	30-150		6/18/22 10:09

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.29	0.11	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG
Aroclor-1221 [1]	ND	0.29	0.16	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG
Aroclor-1232 [1]	ND	0.29	0.11	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG
Aroclor-1242 [1]	ND	0.29	0.11	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG
Aroclor-1248 [1]	ND	0.29	0.10	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG
Aroclor-1254 [1]	ND	0.29	0.088	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG
Aroclor-1260 [1]	ND	0.29	0.10	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG
Aroclor-1262 [1]	ND	0.29	0.097	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG
Aroclor-1268 [1]	ND	0.29	0.12	mg/Kg dry	4		SW-846 8082A	6/7/22	6/14/22 15:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	30.3	30-150		6/14/22 15:43
Decachlorobiphenyl [2]	31.8	30-150		6/14/22 15:43
Tetrachloro-m-xylene [1]	51.9	30-150		6/14/22 15:43
Tetrachloro-m-xylene [2]	54.9	30-150		6/14/22 15:43

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Sample Flags: DL-03

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [2]	ND	890	77	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG
2,4-DB [2]	ND	890	180	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG
2,4,5-TP (Silvex) [2]	ND	89	9.8	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG
2,4,5-T [2]	ND	89	12	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG
Dalapon [2]	ND	2200	130	µg/kg dry	10	V-20	SW-846 8151A	6/15/22	6/20/22 18:06	TG
Dicamba [2]	ND	89	12	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG
Dichloroprop [2]	ND	890	170	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG
Dinoseb [2]	ND	450	19	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG
MCPA [2]	ND	89000	14000	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG
MCPP [2]	ND	89000	12000	µg/kg dry	10		SW-846 8151A	6/15/22	6/20/22 18:06	TG

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	**451**	*	30-150	S-02	6/20/22 18:06
2,4-Dichlorophenylacetic acid [2]	131		30-150		6/20/22 18:06

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	9100	56	8.8	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Antimony	ND	5.6	1.2	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Arsenic	4.7	11	1.6	mg/Kg dry	1	J	SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Barium	130	5.6	0.66	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Beryllium	ND	0.56	0.14	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Cadmium	ND	1.1	0.34	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Calcium	240000	1100	200	mg/Kg dry	20		SW-846 6010D	6/13/22	6/18/22 0:53	MJH
Chromium	15	2.2	0.70	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Cobalt	5.7	5.6	0.58	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Copper	17	2.2	0.49	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Iron	21000	1100	210	mg/Kg dry	20		SW-846 6010D	6/13/22	6/18/22 0:53	MJH
Lead	6.5	1.7	0.64	mg/Kg dry	1	B, M-10	SW-846 6010D	6/13/22	6/20/22 15:42	MJH
Magnesium	6500	56	5.6	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Manganese	350	1.1	0.24	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Mercury	0.079	0.10	0.027	mg/Kg dry	1	J	SW-846 7471B	6/16/22	6/17/22 11:58	TDK
Nickel	12	2.2	0.67	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Potassium	1700	560	56	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Selenium	ND	11	2.3	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Silver	ND	1.1	0.41	mg/Kg dry	1		SW-846 6010D	6/13/22	6/20/22 15:42	MJH
Sodium	290	560	77	mg/Kg dry	1	J	SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Thallium	ND	5.6	2.2	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Vanadium	17	2.2	0.67	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH
Zinc	53	2.2	0.77	mg/Kg dry	1		SW-846 6010D	6/13/22	6/18/22 1:00	MJH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	28.0			% Wt	1	H-06	SM 2540G	6/15/22	6/16/22 10:55	AV
Cyanide	0.80	1.7	0.69	mg/Kg dry	1	J	SW-846 9014	6/10/22	6/11/22 10:38	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-SE-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-04

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	57	67		ug/Kg	5	Ja	SW-846 8270D-E	6/14/22	6/17/22 8:39	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.7	50	2.0	µg/L	1	J	SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:06	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	106	70-130		6/7/22 2:06	
Toluene-d8	101	70-130		6/7/22 2:06	
4-Bromofluorobenzene	95.4	70-130		6/7/22 2:06	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/6/22	6/7/22 2:06	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	0.58	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Benzaldehyde	ND	11	0.47	µg/L	1	R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Biphenyl	ND	21	0.43	µg/L	1	R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Caprolactam	ND	11	0.30	µg/L	1	L-04, MS-09	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Acenaphthene	ND	5.3	0.55	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Acenaphthylene	ND	5.3	0.51	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Acetophenone	ND	11	0.56	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Anthracene	ND	5.3	0.48	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Benzo(a)anthracene	ND	5.3	0.43	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Benzo(a)pyrene	ND	5.3	0.60	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Benzo(b)fluoranthene	ND	5.3	0.50	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Benzo(g,h,i)perylene	ND	5.3	0.64	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Benzo(k)fluoranthene	ND	5.3	0.51	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Bis(2-chloroethoxy)methane	ND	11	0.48	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Bis(2-chloroethyl)ether	ND	11	0.60	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Bis(2-chloroisopropyl)ether	ND	11	0.72	µg/L	1	R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Bis(2-Ethylhexyl)phthalate	ND	11	0.88	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
4-Bromophenylphenylether	ND	11	0.49	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Butylbenzylphthalate	ND	11	0.71	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Carbazole	ND	11	0.45	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
4-Chloroaniline	ND	11	0.61	µg/L	1	V-34	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
4-Chloro-3-methylphenol	ND	11	0.59	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2-Chloronaphthalene	ND	11	0.51	µg/L	1	R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2-Chlorophenol	ND	11	0.50	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
4-Chlorophenylphenylether	ND	11	0.50	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Chrysene	ND	5.3	0.42	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Dibenz(a,h)anthracene	ND	5.3	0.72	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Dibenzofuran	ND	5.3	0.51	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Di-n-butylphthalate	ND	11	0.48	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
3,3-Dichlorobenzidine	ND	11	0.75	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2,4-Dichlorophenol	ND	11	0.50	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Diethylphthalate	ND	11	0.44	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2,4-Dimethylphenol	ND	11	0.74	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Dimethylphthalate	ND	11	0.40	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
4,6-Dinitro-2-methylphenol	ND	11	7.4	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2,4-Dinitrophenol	ND	11	8.5	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2,4-Dinitrotoluene	ND	11	0.65	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2,6-Dinitrotoluene	ND	11	0.55	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Di-n-octylphthalate	ND	11	4.1	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Fluoranthene	ND	5.3	0.45	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Fluorene	ND	5.3	0.55	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Hexachlorobenzene	ND	11	0.53	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Hexachlorobutadiene	ND	11	0.82	µg/L	1	L-04, MS-09, R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Hexachlorocyclopentadiene	ND	11	3.9	µg/L	1	L-04, MS-09, V-05	SW-846 8270E	6/9/22	6/16/22 13:20	IMR

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	0.78	µg/L	1	L-04, MS-09	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Indeno(1,2,3-cd)pyrene	ND	5.3	0.78	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Isophorone	ND	11	0.58	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2-Methylnaphthalene	ND	5.3	0.73	µg/L	1	R-05, R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2-Methylphenol	ND	11	0.50	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
3/4-Methylphenol	ND	11	0.48	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Naphthalene	ND	5.3	0.65	µg/L	1	R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2-Nitroaniline	ND	11	0.73	µg/L	1	V-35	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
3-Nitroaniline	ND	11	0.62	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
4-Nitroaniline	ND	11	0.63	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Nitrobenzene	ND	11	0.66	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2-Nitrophenol	ND	11	0.54	µg/L	1	R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
4-Nitrophenol	ND	11	2.2	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.40	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
N-Nitrosodi-n-propylamine	ND	11	0.65	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Pentachlorophenol	ND	11	3.7	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Phenanthrene	ND	5.3	0.50	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Phenol	ND	11	0.24	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
Pyrene	ND	5.3	0.64	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
1,2,4,5-Tetrachlorobenzene	ND	11	0.69	µg/L	1	R-06	SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2,4,5-Trichlorophenol	ND	11	0.54	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR
2,4,6-Trichlorophenol	ND	11	0.47	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:20	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	38.2	15-110		6/16/22 13:20
Phenol-d6	26.5	15-110		6/16/22 13:20
Nitrobenzene-d5	68.2	30-130		6/16/22 13:20
2-Fluorobiphenyl	47.0	30-130		6/16/22 13:20
2,4,6-Tribromophenol	57.6	15-110		6/16/22 13:20
p-Terphenyl-d14	81.2	30-130		6/16/22 13:20

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	6/8/22	6/10/22 5:49	cla

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	18.6	15-110			6/10/22 5:49

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Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

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Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.4	1.8	0.66	ng/L	1	MS-22, J	SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorobutanesulfonic acid (PFBS)	0.33	1.8	0.25	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoropentanoic acid (PFPeA)	1.1	1.8	0.35	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorohexanoic acid (PFHxA)	0.79	1.8	0.34	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.57	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.35	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.54	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.44	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.39	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.84	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.56	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.28	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	0.17	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.37	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	0.23	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.33	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluoroheptanoic acid (PFHpA)	0.63	1.8	0.31	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorooctanoic acid (PFOA)	1.2	1.8	0.61	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.54	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 5:47	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	14	µg/L	134978	8.465	1	000791-28-6	98	SW-846 8270E	6/9/22	6/16/22 13:20	IMR

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Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.049	0.018	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
gamma-Chlordane [1]	ND	0.049	0.019	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Aldrin [1]	ND	0.049	0.0034	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
alpha-BHC [1]	ND	0.049	0.025	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
beta-BHC [1]	ND	0.049	0.021	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
delta-BHC [1]	ND	0.049	0.029	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
gamma-BHC (Lindane) [1]	ND	0.029	0.0042	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
4,4'-DDD [1]	ND	0.039	0.0044	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
4,4'-DDE [1]	ND	0.039	0.0042	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
4,4'-DDT [1]	ND	0.039	0.0038	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Dieldrin [1]	ND	0.0020	0.00076	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Endosulfan I [1]	ND	0.049	0.024	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Endosulfan II [1]	ND	0.078	0.015	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Endosulfan sulfate [1]	ND	0.078	0.014	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Endrin [1]	ND	0.078	0.015	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Endrin aldehyde [1]	ND	0.078	0.017	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Endrin ketone [1]	ND	0.078	0.014	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Heptachlor [1]	ND	0.049	0.0044	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Heptachlor epoxide [1]	ND	0.049	0.0032	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Methoxychlor [1]	ND	0.49	0.052	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG
Toxaphene [1]	ND	0.98	0.31	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:16	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.4	30-150		6/13/22 14:16
Decachlorobiphenyl [2]	51.0	30-150		6/13/22 14:16
Tetrachloro-m-xylene [1]	33.0	30-150		6/13/22 14:16
Tetrachloro-m-xylene [2]	31.7	30-150		6/13/22 14:16

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.052	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG
Aroclor-1221 [1]	ND	0.20	0.077	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG
Aroclor-1232 [1]	ND	0.20	0.071	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG
Aroclor-1242 [1]	ND	0.20	0.075	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG
Aroclor-1248 [1]	ND	0.20	0.087	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG
Aroclor-1254 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG
Aroclor-1260 [1]	ND	0.20	0.061	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG
Aroclor-1262 [1]	ND	0.20	0.062	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG
Aroclor-1268 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	6/9/22	6/13/22 16:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.0	30-150		6/13/22 16:56
Decachlorobiphenyl [2]	55.5	30-150		6/13/22 16:56
Tetrachloro-m-xylene [1]	43.7	30-150		6/13/22 16:56
Tetrachloro-m-xylene [2]	38.4	30-150		6/13/22 16:56

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Sample Flags: H-06

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.52	0.11	µg/L	1		SW-846 8151A	7/13/22	7/16/22 12:24	JMB
2,4-DB [1]	ND	0.52	0.18	µg/L	1		SW-846 8151A	7/13/22	7/16/22 12:24	JMB
2,4,5-TP (Silvex) [1]	ND	0.052	0.011	µg/L	1	R-05	SW-846 8151A	7/13/22	7/16/22 12:24	JMB
2,4,5-T [1]	ND	0.10	0.025	µg/L	1		SW-846 8151A	7/13/22	7/16/22 12:24	JMB
Dalalpon [1]	ND	1.3	0.18	µg/L	1	R-05	SW-846 8151A	7/13/22	7/16/22 12:24	JMB
Dicamba [1]	ND	0.052	0.016	µg/L	1		SW-846 8151A	7/13/22	7/16/22 12:24	JMB
Dichloroprop [1]	ND	0.52	0.20	µg/L	1		SW-846 8151A	7/13/22	7/16/22 12:24	JMB
Dinoseb [1]	ND	0.26	0.049	µg/L	1		SW-846 8151A	7/13/22	7/16/22 12:24	JMB
MCPA [1]	ND	52	9.8	µg/L	1		SW-846 8151A	7/13/22	7/16/22 12:24	JMB
MCPP [1]	ND	52	10	µg/L	1		SW-846 8151A	7/13/22	7/16/22 12:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	81.3	30-150		7/16/22 12:24
2,4-Dichlorophenylacetic acid [2]	76.4	30-150		7/16/22 12:24

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

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Field Sample #: QNSB-MPND-WS-101

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Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Barium	0.057	0.050	0.0056	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1	B-08	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1	B-08	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Calcium	71	0.50	0.11	mg/L	1	MS-19	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Chromium	ND	0.010	0.0025	mg/L	1	B-08	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Cobalt	ND	0.010	0.0014	mg/L	1	B-08	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Copper	ND	0.010	0.0036	mg/L	1	B-08	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Iron	0.26	0.050	0.019	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Lead	ND	0.010	0.0030	mg/L	1	B-08	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Magnesium	23	0.050	0.0095	mg/L	1	B-08	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Manganese	0.14	0.010	0.0017	mg/L	1	B-08	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/13/22	6/14/22 12:43	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Potassium	1.8	2.0	0.30	mg/L	1	J	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Sodium	15	2.0	0.53	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Vanadium	0.0054	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/10/22	6/13/22 14:15	MJH
Zinc	0.0047	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/10/22	6/13/22 14:15	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-101

Sample ID: 22F0251-05 | Start Date/Time: 6/2/2022 11:03:00AM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 12:05:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0048	0.010	0.0035	mg/L	1	J	SW-846 9014	6/15/22	6/16/22 14:48	DRA

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-102

Sample ID: 22F0251-06 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:10:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.6	50	2.0	µg/L	1	J	SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-102

Sample ID: 22F0251-06 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:10:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/6/22	6/7/22 2:34	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		6/7/22 2:34
Toluene-d8	99.8	70-130		6/7/22 2:34
4-Bromofluorobenzene	95.6	70-130		6/7/22 2:34

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-102

Sample ID: 22F0251-06 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:10:00PM

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/6/22	6/7/22 2:34	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-102

Sample ID: 22F0251-06 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:10:00PM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	6/7/22	6/10/22 3:26	cla

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	25.4	15-110		6/10/22 3:26	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-102

Sample ID: 22F0251-06 | Start Date/Time: 6/2/2022 1:05:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:10:00PM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorobutanesulfonic acid (PFBS)	0.34	1.9	0.26	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoropentanoic acid (PFPeA)	1.5	1.9	0.36	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorohexanoic acid (PFHxA)	0.93	1.9	0.36	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.36	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.56	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.46	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.41	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.87	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.59	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.29	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.39	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.24	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.34	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluoroheptanoic acid (PFHpA)	0.67	1.9	0.32	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorooctanoic acid (PFOA)	1.3	1.9	0.63	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorooctanesulfonic acid (PFOS)	0.59	1.9	0.56	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:01	BLH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-103

Sample ID: 22F0251-07 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:35:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.4	50	2.0	µg/L	1	J	SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-103

Sample ID: 22F0251-07 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:35:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:02	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		6/7/22 3:02
Toluene-d8	99.7	70-130		6/7/22 3:02
4-Bromofluorobenzene	97.0	70-130		6/7/22 3:02

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-103

Sample ID: 22F0251-07 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:35:00PM

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/6/22	6/7/22 3:02	EEH

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-103

Sample ID: 22F0251-07 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:35:00PM

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	6/8/22	6/10/22 6:08	cla

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	21.5	15-110		6/10/22 6:08	

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-103

Sample ID: 22F0251-07 | Start Date/Time: 6/2/2022 1:30:00PM

Sample Matrix: Surface Water | Stop Date/Time: 6/2/2022 1:35:00PM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.79	1.8	0.69	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorobutanesulfonic acid (PFBS)	0.29	1.8	0.26	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoropentanoic acid (PFPeA)	2.3	1.8	0.36	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorohexanoic acid (PFHxA)	0.97	1.8	0.36	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.59	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.36	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.22	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.56	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8	0.45	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.41	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.21	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.87	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.26	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.30	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.39	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.15	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.29	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	0.18	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.31	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.38	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	0.24	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.34	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.25	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluoroheptanoic acid (PFHpA)	0.60	1.8	0.32	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorooctanoic acid (PFOA)	1.2	1.8	0.63	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.56	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH
Perfluorononanoic acid (PFNA)	ND	1.8	0.32	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:08	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.8	50	2.0	µg/L	1	J	SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/6/22	6/7/22 3:29	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	108	70-130		6/7/22 3:29	
Toluene-d8	98.8	70-130		6/7/22 3:29	
4-Bromofluorobenzene	95.2	70-130		6/7/22 3:29	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	6/6/22	6/7/22 3:29	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Benzaldehyde	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Biphenyl	ND	20	0.40	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Caprolactam	ND	9.8	0.28	µg/L	1	L-04	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Acenaphthene	ND	4.9	0.51	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Dibenzofuran	ND	4.9	0.48	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1	L-04	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04, V-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1	R-05	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2-Nitroaniline	ND	9.8	0.68	µg/L	1	V-35	SW-846 8270E	6/9/22	6/16/22 13:45	IMR
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/9/22	6/16/22 13:45	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	31.5	15-110		6/16/22 13:45
Phenol-d6	21.1	15-110		6/16/22 13:45
Nitrobenzene-d5	62.9	30-130		6/16/22 13:45
2-Fluorobiphenyl	48.8	30-130		6/16/22 13:45
2,4,6-Tribromophenol	58.1	15-110		6/16/22 13:45
p-Terphenyl-d14	79.5	30-130		6/16/22 13:45

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	6/8/22	6/10/22 6:29	cla

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	18.3	15-110		6/10/22 6:29

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.0	1.6	0.60	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorobutanesulfonic acid (PFBS)	0.32	1.6	0.23	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoropentanoic acid (PFPeA)	1.0	1.6	0.32	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorohexanoic acid (PFHxA)	0.82	1.6	0.31	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	0.52	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	0.32	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	0.28	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	0.19	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	0.49	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	0.40	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	0.36	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	0.19	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	0.76	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
N-EtFOSAA (NEtFOSAA)	ND	1.6	0.51	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
N-MeFOSAA (NMeFOSAA)	ND	1.6	0.62	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	0.30	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	0.22	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	0.23	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	0.26	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	0.34	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	0.14	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	0.25	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	0.15	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	0.27	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	0.34	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	0.28	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	0.30	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.6	0.21	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	0.30	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	0.22	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluoroheptanoic acid (PFHpA)	0.58	1.6	0.28	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorooctanoic acid (PFOA)	1.1	1.6	0.55	ng/L	1	J	SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	0.49	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	0.28	ng/L	1		SOP-454 PFAS	6/16/22	7/3/22 6:15	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Triphenylphosphine oxide	13	µg/L	132552	8.465	1	000791-28-6	93	SW-846 8270E	6/9/22	6/16/22 13:45	IMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.050	0.018	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
gamma-Chlordane [1]	ND	0.050	0.019	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Aldrin [1]	ND	0.050	0.0035	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
alpha-BHC [1]	ND	0.050	0.026	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
beta-BHC [1]	ND	0.050	0.021	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
delta-BHC [1]	ND	0.050	0.029	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
gamma-BHC (Lindane) [1]	ND	0.030	0.0043	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
4,4'-DDD [1]	ND	0.040	0.0045	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
4,4'-DDE [1]	ND	0.040	0.0043	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
4,4'-DDT [1]	ND	0.040	0.0039	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Dieldrin [1]	ND	0.0020	0.00078	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Endosulfan I [1]	ND	0.050	0.025	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Endosulfan II [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Endosulfan sulfate [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Endrin [1]	ND	0.080	0.016	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Endrin aldehyde [1]	ND	0.080	0.017	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Endrin ketone [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Heptachlor [1]	ND	0.050	0.0045	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Heptachlor epoxide [1]	ND	0.050	0.0033	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Methoxychlor [1]	ND	0.50	0.053	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG
Toxaphene [1]	ND	1.0	0.32	µg/L	1		SW-846 8081B	6/9/22	6/13/22 14:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.9	30-150		6/13/22 14:45
Decachlorobiphenyl [2]	51.5	30-150		6/13/22 14:45
Tetrachloro-m-xylene [1]	36.1	30-150		6/13/22 14:45
Tetrachloro-m-xylene [2]	34.6	30-150		6/13/22 14:45

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.053	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG
Aroclor-1221 [1]	ND	0.20	0.079	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG
Aroclor-1232 [1]	ND	0.20	0.073	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG
Aroclor-1242 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG
Aroclor-1248 [1]	ND	0.20	0.088	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG
Aroclor-1254 [1]	ND	0.20	0.078	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG
Aroclor-1260 [1]	ND	0.20	0.062	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG
Aroclor-1262 [1]	ND	0.20	0.064	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG
Aroclor-1268 [1]	ND	0.20	0.077	µg/L	1		SW-846 8082A	6/9/22	6/13/22 17:13	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.5	30-150		6/13/22 17:13
Decachlorobiphenyl [2]	57.2	30-150		6/13/22 17:13
Tetrachloro-m-xylene [1]	50.1	30-150		6/13/22 17:13
Tetrachloro-m-xylene [2]	44.5	30-150		6/13/22 17:13

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Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Sample Flags: H-06

Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.51	0.11	µg/L	1		SW-846 8151A	7/13/22	7/16/22 13:04	JMB
2,4-DB [1]	ND	0.51	0.17	µg/L	1		SW-846 8151A	7/13/22	7/16/22 13:04	JMB
2,4,5-TP (Silvex) [1]	ND	0.051	0.010	µg/L	1	R-05	SW-846 8151A	7/13/22	7/16/22 13:04	JMB
2,4,5-T [1]	ND	0.10	0.025	µg/L	1		SW-846 8151A	7/13/22	7/16/22 13:04	JMB
Dalalpon [1]	ND	1.3	0.17	µg/L	1	R-05	SW-846 8151A	7/13/22	7/16/22 13:04	JMB
Dicamba [1]	ND	0.051	0.016	µg/L	1		SW-846 8151A	7/13/22	7/16/22 13:04	JMB
Dichloroprop [1]	ND	0.51	0.19	µg/L	1		SW-846 8151A	7/13/22	7/16/22 13:04	JMB
Dinoseb [1]	ND	0.26	0.048	µg/L	1		SW-846 8151A	7/13/22	7/16/22 13:04	JMB
MCPA [1]	ND	51	9.6	µg/L	1		SW-846 8151A	7/13/22	7/16/22 13:04	JMB
MCPP [1]	ND	51	10	µg/L	1		SW-846 8151A	7/13/22	7/16/22 13:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	75.3	30-150		7/16/22 13:04
2,4-Dichlorophenylacetic acid [2]	75.4	30-150		7/16/22 13:04

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1	B-05	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/6/22	6/13/22 3:03	MJH
Barium	0.064	0.050	0.0056	mg/L	1		SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Beryllium	ND	0.0040	0.0010	mg/L	1	B-08	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Cadmium	ND	0.0040	0.00080	mg/L	1	B-08	SW-846 6010D	6/6/22	6/13/22 3:03	MJH
Calcium	77	0.50	0.11	mg/L	1		SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Chromium	ND	0.010	0.0025	mg/L	1	B-08	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Cobalt	ND	0.010	0.0014	mg/L	1	B-08	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Iron	0.27	0.050	0.019	mg/L	1	B	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Lead	ND	0.010	0.0030	mg/L	1	B-06, B-07	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Magnesium	25	0.050	0.0095	mg/L	1	B-07, B-08	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Manganese	0.24	0.010	0.0017	mg/L	1	B-08	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/13/22	6/14/22 12:45	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Potassium	1.9	2.0	0.30	mg/L	1	J	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/6/22	6/13/22 3:03	MJH
Sodium	16	2.0	0.53	mg/L	1		SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Vanadium	0.0033	0.010	0.0031	mg/L	1	B-08, J	SW-846 6010D	6/6/22	6/8/22 20:54	ATP
Zinc	0.0055	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/6/22	6/13/22 3:03	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury Landfill | Sample Description: | Work Order: 22F0251

Date Received: 6/3/2022

Field Sample #: QNSB-MPND-WS-DUP-01 | Sampled: 6/2/2022 00:00

Sample ID: 22F0251-08

Sample Matrix: Surface Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SW-846 9014	6/15/22	6/16/22 14:48	DRA

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B310013	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B310013-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Acetone	100	3.70	116	113		70 - 130
Benzene	10.0	ND	10.5	105		70 - 130
Bromochloromethane	10.0	ND	13.0	130		70 - 130
Bromodichloromethane	10.0	ND	11.0	110		70 - 130
Bromoform	10.0	ND	12.6	126		70 - 130
Bromomethane	10.0	ND	14.8	148	*	70 - 130
2-Butanone (MEK)	100	ND	116	116		70 - 130
Carbon Disulfide	100	ND	118	118		70 - 130
Carbon Tetrachloride	10.0	ND	12.2	122		70 - 130
Chlorobenzene	10.0	ND	11.4	114		70 - 130
Chlorodibromomethane	10.0	ND	11.0	110		70 - 130
Chloroethane	10.0	ND	14.6	146	*	70 - 130
Chloroform	10.0	ND	11.7	117		70 - 130
Chloromethane	10.0	ND	8.50	85.0		70 - 130
Cyclohexane	10.0	ND	10.6	106		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	10.9	109		70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	12.0	120		70 - 130
1,2-Dichlorobenzene	10.0	ND	10.9	109		70 - 130
1,3-Dichlorobenzene	10.0	ND	11.2	112		70 - 130
1,4-Dichlorobenzene	10.0	ND	11.1	111		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	9.50	95.0		70 - 130
1,1-Dichloroethane	10.0	ND	11.4	114		70 - 130
1,2-Dichloroethane	10.0	ND	10.8	108		70 - 130
1,1-Dichloroethylene	10.0	ND	12.0	120		70 - 130
cis-1,2-Dichloroethylene	10.0	ND	11.3	113		70 - 130
trans-1,2-Dichloroethylene	10.0	ND	10.9	109		70 - 130
1,2-Dichloropropane	10.0	ND	11.1	111		70 - 130
cis-1,3-Dichloropropene	10.0	ND	10.0	100		70 - 130
trans-1,3-Dichloropropene	10.0	ND	10.1	101		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B310013	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B310013-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
1,4-Dioxane	100	ND	96.6	96.6		70 - 130
Ethylbenzene	10.0	ND	10.9	109		70 - 130
2-Hexanone (MBK)	100	ND	111	111		70 - 130
Isopropylbenzene (Cumene)	10.0	ND	11.0	110		70 - 130
Methyl Acetate	10.0	ND	11.8	118		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	ND	10.8	108		70 - 130
Methyl Cyclohexane	10.0	ND	9.65	96.5		70 - 130
Methylene Chloride	10.0	ND	12.7	127		70 - 130
4-Methyl-2-pentanone (MIBK)	100	ND	111	111		70 - 130
Styrene	10.0	ND	10.8	108		70 - 130
1,1,2,2-Tetrachloroethane	10.0	ND	12.5	125		70 - 130
Tetrachloroethylene	10.0	ND	11.0	110		70 - 130
Toluene	10.0	ND	10.6	106		70 - 130
1,2,3-Trichlorobenzene	10.0	ND	8.64	86.4		70 - 130
1,2,4-Trichlorobenzene	10.0	ND	9.08	90.8		70 - 130
1,1,1-Trichloroethane	10.0	ND	12.0	120		70 - 130
1,1,2-Trichloroethane	10.0	ND	11.7	117		70 - 130
Trichloroethylene	10.0	ND	11.4	114		70 - 130
Trichlorofluoromethane (Freon 11)	10.0	ND	12.0	120		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	ND	12.0	120		70 - 130
Vinyl Chloride	10.0	ND	14.6	146	*	70 - 130
Xylenes (total)	30.0	ND	32.5	108		0 - 200

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B310013	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B310013-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	114	110		2.38	30	70 - 130
Benzene	10.0	10.4	104		0.960	30	70 - 130
Bromochloromethane	10.0	12.2	122		5.79	30	70 - 130
Bromodichloromethane	10.0	11.2	112		2.34	30	70 - 130
Bromoform	10.0	12.7	127		0.709	30	70 - 130
Bromomethane	10.0	15.8	158	*	6.75	30	70 - 130
2-Butanone (MEK)	100	107	107		7.85	30	70 - 130
Carbon Disulfide	100	117	117		1.09	30	70 - 130
Carbon Tetrachloride	10.0	11.9	119		2.33	30	70 - 130
Chlorobenzene	10.0	11.5	115		0.437	30	70 - 130
Chlorodibromomethane	10.0	10.9	109		0.365	30	70 - 130
Chloroethane	10.0	14.0	140	*	4.07	30	70 - 130
Chloroform	10.0	11.6	116		0.945	30	70 - 130
Chloromethane	10.0	9.61	96.1		12.3	30	70 - 130
Cyclohexane	10.0	10.3	103		3.07	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.8	108		0.831	30	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.8	118		1.52	30	70 - 130
1,2-Dichlorobenzene	10.0	10.6	106		2.52	30	70 - 130
1,3-Dichlorobenzene	10.0	10.7	107		3.93	30	70 - 130
1,4-Dichlorobenzene	10.0	10.7	107		3.39	30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.32	93.2		1.91	30	70 - 130
1,1-Dichloroethane	10.0	11.2	112		1.06	30	70 - 130
1,2-Dichloroethane	10.0	10.5	105		2.35	30	70 - 130
1,1-Dichloroethylene	10.0	11.8	118		0.925	30	70 - 130
cis-1,2-Dichloroethylene	10.0	11.0	110		3.14	30	70 - 130
trans-1,2-Dichloroethylene	10.0	10.9	109		0.367	30	70 - 130
1,2-Dichloropropane	10.0	11.2	112		0.805	30	70 - 130
cis-1,3-Dichloropropene	10.0	9.97	99.7		0.400	30	70 - 130
trans-1,3-Dichloropropene	10.0	10.2	102		0.395	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B310013	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B310013-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dioxane	100	95.6	95.6		1.05	30	70 - 130
Ethylbenzene	10.0	10.9	109		0.0916	30	70 - 130
2-Hexanone (MBK)	100	111	111		0.0632	30	70 - 130
Isopropylbenzene (Cumene)	10.0	11.0	110		0.00	30	70 - 130
Methyl Acetate	10.0	10.8	108		8.99	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104		3.59	30	70 - 130
Methyl Cyclohexane	10.0	9.56	95.6		0.937	30	70 - 130
Methylene Chloride	10.0	12.2	122		3.77	30	70 - 130
4-Methyl-2-pentanone (MIBK)	100	113	113		1.74	30	70 - 130
Styrene	10.0	10.9	109		0.554	30	70 - 130
1,1,2,2-Tetrachloroethane	10.0	12.5	125		0.321	30	70 - 130
Tetrachloroethylene	10.0	11.0	110		0.363	30	70 - 130
Toluene	10.0	10.7	107		0.282	30	70 - 130
1,2,3-Trichlorobenzene	10.0	9.85	98.5		13.1	30	70 - 130
1,2,4-Trichlorobenzene	10.0	9.35	93.5		2.93	30	70 - 130
1,1,1-Trichloroethane	10.0	11.9	119		0.585	30	70 - 130
1,1,2-Trichloroethane	10.0	11.7	117		0.171	30	70 - 130
Trichloroethylene	10.0	11.4	114		0.175	30	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	11.8	118		2.02	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.6	116		3.14	30	70 - 130
Vinyl Chloride	10.0	14.0	140	*	4.69	30	70 - 130
Xylenes (total)	30.0	32.6	109		0.338	200	0 - 200

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B309985	Laboratory ID:	B309985-BS1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.113	0.118	104		70 - 160
Benzene	0.0113	0.0110	97.5		70 - 130
Bromochloromethane	0.0113	0.0136	120		70 - 130
Bromodichloromethane	0.0113	0.0124	110		70 - 130
Bromoform	0.0113	0.0148	130		70 - 130
Bromomethane	0.0113	0.0143	126		40 - 130
2-Butanone (MEK)	0.113	0.150	133		70 - 160
Carbon Disulfide	0.113	0.137	121		70 - 130
Carbon Tetrachloride	0.0113	0.0126	112		70 - 130
Chlorobenzene	0.0113	0.0123	109		70 - 130
Chlorodibromomethane	0.0113	0.0124	109		70 - 130
Chloroethane	0.0113	0.0135	119		70 - 130
Chloroform	0.0113	0.0123	108		70 - 130
Chloromethane	0.0113	0.00598	52.8	*	70 - 130
Cyclohexane	0.0113	0.0115	102		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0113	0.0123	109		70 - 130
1,2-Dibromoethane (EDB)	0.0113	0.0129	113		70 - 130
1,2-Dichlorobenzene	0.0113	0.0118	104		70 - 130
1,3-Dichlorobenzene	0.0113	0.0118	104		70 - 130
1,4-Dichlorobenzene	0.0113	0.0117	103		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0113	0.0113	99.8		40 - 160
1,1-Dichloroethane	0.0113	0.0119	105		70 - 130
1,2-Dichloroethane	0.0113	0.0115	101		70 - 130
1,1-Dichloroethylene	0.0113	0.0123	109		70 - 130
cis-1,2-Dichloroethylene	0.0113	0.0117	103		70 - 130
trans-1,2-Dichloroethylene	0.0113	0.0117	103		70 - 130
1,2-Dichloropropane	0.0113	0.0120	106		70 - 130
cis-1,3-Dichloropropene	0.0113	0.0111	98.2		70 - 130
trans-1,3-Dichloropropene	0.0113	0.0107	94.5		70 - 130
1,4-Dioxane	0.113	0.0994	87.8		40 - 160
Ethylbenzene	0.0113	0.0118	104		70 - 130
2-Hexanone (MBK)	0.113	0.116	102		70 - 160
Isopropylbenzene (Cumene)	0.0113	0.0117	103		70 - 130
Methyl Acetate	0.0113	0.0126	112		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0113	0.0114	101		70 - 130
Methyl Cyclohexane	0.0113	0.0104	92.0		70 - 130
Methylene Chloride	0.0113	0.0130	115		40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B309985	Laboratory ID:	B309985-BS1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.113	0.118	104	70 - 160
Styrene	0.0113	0.0119	105	70 - 130
1,1,2,2-Tetrachloroethane	0.0113	0.0136	120	70 - 130
Tetrachloroethylene	0.0113	0.0116	102	70 - 130
Toluene	0.0113	0.0112	98.5	70 - 130
1,2,3-Trichlorobenzene	0.0113	0.0107	94.4	70 - 130
1,2,4-Trichlorobenzene	0.0113	0.0104	92.0	70 - 130
1,1,1-Trichloroethane	0.0113	0.0126	111	70 - 130
1,1,2-Trichloroethane	0.0113	0.0126	112	70 - 130
Trichloroethylene	0.0113	0.0120	106	70 - 130
Trichlorofluoromethane (Freon 11)	0.0113	0.0124	110	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0113	0.0125	110	70 - 130
Vinyl Chloride	0.0113	0.0146	129	40 - 130
m+p Xylene	0.0227	0.0235	104	70 - 130
o-Xylene	0.0113	0.0119	105	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.113	0.121	107		2.14	25	70 - 160
Benzene	0.0113	0.0109	96.0		1.55	25	70 - 130
Bromochloromethane	0.0113	0.0137	121		0.747	25	70 - 130
Bromodichloromethane	0.0113	0.0121	107		2.50	25	70 - 130
Bromoform	0.0113	0.0143	126		2.96	25	70 - 130
Bromomethane	0.0113	0.0141	125		0.958	25	40 - 130
2-Butanone (MEK)	0.113	0.120	106		22.6	25	70 - 160
Carbon Disulfide	0.113	0.135	119		1.64	25	70 - 130
Carbon Tetrachloride	0.0113	0.0122	108		3.37	25	70 - 130
Chlorobenzene	0.0113	0.0120	106		2.23	25	70 - 130
Chlorodibromomethane	0.0113	0.0124	110		0.549	25	70 - 130
Chloroethane	0.0113	0.0143	127		6.11	25	70 - 130
Chloroform	0.0113	0.0121	107		1.39	25	70 - 130
Chloromethane	0.0113	0.00711	62.7	*	17.1	25	70 - 130
Cyclohexane	0.0113	0.0112	99.2		2.39	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0113	0.0128	113		3.97	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B310029	Laboratory ID:	B310029-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.212	106		70 - 160
Benzene	0.0200	0.0208	104		70 - 130
Bromochloromethane	0.0200	0.0217	109		70 - 130
Bromodichloromethane	0.0200	0.0203	101		70 - 130
Bromoform	0.0200	0.0211	105		70 - 130
Bromomethane	0.0200	0.0268	134	*	40 - 130
2-Butanone (MEK)	0.200	0.231	116		70 - 160
Carbon Disulfide	0.200	0.233	117		70 - 130
Carbon Tetrachloride	0.0200	0.0209	104		70 - 130
Chlorobenzene	0.0200	0.0199	99.4		70 - 130
Chlorodibromomethane	0.0200	0.0207	104		70 - 130
Chloroethane	0.0200	0.0226	113		70 - 130
Chloroform	0.0200	0.0208	104		70 - 130
Chloromethane	0.0200	0.0213	107		70 - 130
Cyclohexane	0.0200	0.0221	110		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0192	96.0		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0204	102		70 - 130
1,2-Dichlorobenzene	0.0200	0.0195	97.5		70 - 130
1,3-Dichlorobenzene	0.0200	0.0195	97.6		70 - 130
1,4-Dichlorobenzene	0.0200	0.0189	94.5		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0204	102		40 - 160
1,1-Dichloroethane	0.0200	0.0217	108		70 - 130
1,2-Dichloroethane	0.0200	0.0193	96.4		70 - 130
1,1-Dichloroethylene	0.0200	0.0205	103		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0204	102		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0214	107		70 - 130
1,2-Dichloropropane	0.0200	0.0222	111		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0217	108		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0186	93.1		70 - 130
1,4-Dioxane	0.200	0.211	105		40 - 160
Ethylbenzene	0.0200	0.0204	102		70 - 130
2-Hexanone (MBK)	0.200	0.212	106		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0207	104		70 - 130
Methyl Acetate	0.0200	0.0221	110		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0202	101		70 - 130
Methyl Cyclohexane	0.0200	0.0214	107		70 - 130
Methylene Chloride	0.0200	0.0203	101		40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B310029	Laboratory ID:	B310029-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.200	0.210	105	70 - 160
Styrene	0.0200	0.0212	106	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0200	100	70 - 130
Tetrachloroethylene	0.0200	0.0201	101	70 - 130
Toluene	0.0200	0.0196	97.9	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0184	92.2	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0178	88.9	70 - 130
1,1,1-Trichloroethane	0.0200	0.0217	109	70 - 130
1,1,2-Trichloroethane	0.0200	0.0202	101	70 - 130
Trichloroethylene	0.0200	0.0207	104	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0202	101	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0224	112	70 - 130
Vinyl Chloride	0.0200	0.0209	105	40 - 130
m+p Xylene	0.0400	0.0429	107	70 - 130
o-Xylene	0.0200	0.0210	105	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.221	110		3.83	25	70 - 160
Benzene	0.0200	0.0208	104		0.0962	25	70 - 130
Bromochloromethane	0.0200	0.0220	110		1.28	25	70 - 130
Bromodichloromethane	0.0200	0.0201	100		0.892	25	70 - 130
Bromoform	0.0200	0.0204	102		3.47	25	70 - 130
Bromomethane	0.0200	0.0270	135	*	0.743	25	40 - 130
2-Butanone (MEK)	0.200	0.242	121		4.25	25	70 - 160
Carbon Disulfide	0.200	0.232	116		0.551	25	70 - 130
Carbon Tetrachloride	0.0200	0.0206	103		1.35	25	70 - 130
Chlorobenzene	0.0200	0.0198	98.9		0.504	25	70 - 130
Chlorodibromomethane	0.0200	0.0206	103		0.775	25	70 - 130
Chloroethane	0.0200	0.0225	112		0.443	25	70 - 130
Chloroform	0.0200	0.0209	104		0.288	25	70 - 130
Chloromethane	0.0200	0.0215	108		0.841	25	70 - 130
Cyclohexane	0.0200	0.0219	109		0.911	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0191	95.5		0.522	25	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	7.159683E-02	9.0			20	
Acrolein	5.172498E-02	9.1			20	
Acrylonitrile	0.1052471	6.7			20	
tert-Amyl Methyl Ether (TAME)	0.7209663	8.2			20	
Benzene	1.222011	2.8			20	
Bromobenzene	0.6260948	7.3			20	
Bromochloromethane	0.2164615	15.8			20	
Bromodichloromethane	0.2476398	9.4			20	
Bromoform	0.2154443	17.7			20	
Bromomethane	0.1573628	15.6			20	
2-Butanone (MEK)	0.121202	5.9			20	
tert-Butyl Alcohol (TBA)	2.292431E-02	11.7			20	
n-Butylbenzene	1.352282	14.3			20	
sec-Butylbenzene	1.802855	11.0			20	
tert-Butylbenzene	1.253487	10.8			20	
tert-Butyl Ethyl Ether (TBEE)	0.79178	8.0			20	
Carbon Disulfide	0.7967695	8.3			20	
Carbon Tetrachloride	0.3758494	9.0			20	
Chlorobenzene	1.046329	5.5			20	
Chlorodibromomethane	0.1869851	12.4			20	
Chloroethane	0.1804872	13.5			20	
2-Chloroethyl Vinyl Ether	0.1269573	10.0			20	
Chloroform	0.5125747	4.5			20	
Chloromethane	0.3417516	14.5			20	
2-Chlorotoluene	1.177333	4.8			20	
4-Chlorotoluene	1.18012	7.4			20	
Cyclohexane	0.5311212	6.5			20	
1,2-Dibromo-3-chloropropane (DBCP)	6.088938E-02	17.9			20	
1,2-Dibromoethane (EDB)	0.1626881	10.9			20	
Dibromomethane	0.1175663	6.3			20	
1,2-Dichlorobenzene	0.7237142	7.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	0.807913	9.2			20	
1,4-Dichlorobenzene	0.8249951	6.8			20	
trans-1,4-Dichloro-2-butene	0.1075568	11.3			20	
Dichlorodifluoromethane (Freon 12)	0.388165	6.7			20	
1,1-Dichloroethane	0.5225156	5.3			20	
1,2-Dichloroethane	0.257927	13.0			20	
1,1-Dichloroethylene	0.4222399	4.5			20	
cis-1,2-Dichloroethylene	0.4139672	5.1			20	
trans-1,2-Dichloroethylene	0.4209055	4.7			20	
Dichlorofluoromethane (Freon 21)	0.5179793	6.3			20	
1,2-Dichloropropane	0.2033845	5.9			20	
1,3-Dichloropropane	0.2792627	9.6			20	
2,2-Dichloropropane	0.3895988	6.6			20	
1,1-Dichloropropene	0.4005375	6.9			20	
cis-1,3-Dichloropropene	0.3065878	11.4			20	
trans-1,3-Dichloropropene	0.2426863	14.0			20	
Diethyl Ether	0.1934383	5.7			20	
Difluorochloromethane (Freon 22)	0.4034106	7.5			20	
Diisopropyl Ether (DIPE)	0.8727756	5.2			20	
1,4-Dioxane	2.088244E-03	8.5			20	
Ethyl Acetate	0.2454666	8.4			20	
Ethylbenzene	1.760677	7.7			20	
Hexachlorobutadiene	0.2072355	12.1			20	
2-Hexanone (MBK)	0.1139797	11.7			20	
Iodomethane	0.3812631	19.0			20	
Isopropylbenzene (Cumene)	1.744379	6.3			20	
p-Isopropyltoluene (p-Cymene)	1.469487	11.6			20	
Methyl Acetate	0.2306531	15.6			20	
Methyl tert-Butyl Ether (MTBE)	0.703102	7.8			20	
Methyl Cyclohexane	0.3318229	6.8			20	
Methylene Chloride	0.3681109	8.0			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200004	Instrument:	GCMSVOA5
		Calibration Date:	1/4/2022 7:35:39AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
4-Methyl-2-pentanone (MIBK)	0.1679712	10.9			20	
Naphthalene	0.771276	17.0			20	
n-Propylbenzene	2.023007	8.8			20	
Styrene	1.00575	11.8			20	
1,1,1,2-Tetrachloroethane	0.3436871	10.3			20	
1,1,2,2-Tetrachloroethane	0.3970277	10.4			20	
Tetrachloroethylene	0.2229981	5.4			20	
Tetrahydrofuran	7.719281E-02	11.4			20	
Toluene	0.8432327	4.1			20	
1,2,3-Trichlorobenzene	0.2664118	16.8			20	
1,2,4-Trichlorobenzene	0.3606225	14.8			20	
1,3,5-Trichlorobenzene	0.4526021	13.7			20	
1,1,1-Trichloroethane	0.4099857	8.7			20	
1,1,2-Trichloroethane	0.1579222	8.3			20	
Trichloroethylene	0.2016221	6.4			20	
Trichlorofluoromethane (Freon 11)	0.439477	6.2			20	
1,2,3-Trichloropropane	0.304366	11.3			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.2881461	6.6			20	
1,2,3-Trimethylbenzene	1.37952	9.9			20	
1,2,4-Trimethylbenzene	1.396902	12.4			20	
1,3,5-Trimethylbenzene	1.283313	10.8			20	
Vinyl Acetate	0.6095244	9.9			20	
Vinyl Chloride	0.2174587	13.9			20	
m+p Xylene	1.393248	7.6			20	
o-Xylene	1.363976	7.5			20	
1,2-Dichloroethane-d4	0.4950766	2.1			20	
Toluene-d8	1.190889	1.2			20	
4-Bromofluorobenzene	0.8597184	2.0			20	
Acetone	7.159683E-02	9.0			20	
Acrolein	5.172498E-02	9.1			20	
Acrylonitrile	0.1052471	6.7			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200243	Instrument:	GCMSVOA7
		Calibration Date:	4/29/2022 7:32:12AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	0.1245459	11.6			20	
Acrylonitrile	0.1124392	8.8			20	
tert-Amyl Methyl Ether (TAME)	0.5247349	12.8			20	
Benzene	1.371847	4.8			20	
Bromobenzene	0.869471	9.7			20	
Bromochloromethane	0.2444691	11.9			20	
Bromodichloromethane	0.2714232	6.7			20	
Bromoform	0.3072049	14.0			20	
Bromomethane	0.1815093	36.1	0.998		0.99	
2-Butanone (MEK)	0.1506178	17.2			20	
tert-Butyl Alcohol (TBA)	2.448003E-02	16.7			20	
n-Butylbenzene	1.604854	15.1			20	
sec-Butylbenzene	1.844997	16.3			20	
tert-Butylbenzene	1.273459	17.4			20	
tert-Butyl Ethyl Ether (TBEE)	0.8153727	19.2			20	
Carbon Disulfide	0.9811231	10.7			20	
Carbon Tetrachloride	0.5106275	10.7			20	
Chlorobenzene	1.202494	7.0			20	
Chlorodibromomethane	0.1999142	10.8			20	
Chloroethane	0.2811508	16.6			20	
Chloroform	0.6505219	4.8			20	
Chloromethane	0.6143823	8.2			20	
2-Chlorotoluene	1.222795	9.8			20	
4-Chlorotoluene	1.53701	9.3			20	
Cyclohexane	0.8836313	65.2	0.999		0.99	
1,2-Dibromo-3-chloropropane (DBCP)	9.780038E-02	12.7			20	
1,2-Dibromoethane (EDB)	0.1710597	8.6			20	
Dibromomethane	0.1233906	5.6			20	
1,2-Dichlorobenzene	0.8993908	6.3			20	
1,3-Dichlorobenzene	0.9270474	6.0			20	
1,4-Dichlorobenzene	0.9950378	9.1			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200243	Instrument:	GCMSVOA7
		Calibration Date:	4/29/2022 7:32:12AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.1544141	12.4			20	
Dichlorodifluoromethane (Freon 12)	0.5070864	8.6			20	
1,1-Dichloroethane	0.624192	7.1			20	
1,2-Dichloroethane	0.3022458	4.2			20	
1,1-Dichloroethylene	0.7945429	9.0			20	
cis-1,2-Dichloroethylene	0.5065441	8.5			20	
trans-1,2-Dichloroethylene	0.5280192	7.5			20	
Dichlorofluoromethane (Freon 21)	0.7444594	17.7			20	
1,2-Dichloropropane	0.1830423	6.1			20	
1,3-Dichloropropane	0.2881906	6.4			20	
2,2-Dichloropropane	0.3594205	19.6			20	
1,1-Dichloropropene	0.474324	9.2			20	
cis-1,3-Dichloropropene	0.2706093	17.1			20	
trans-1,3-Dichloropropene	0.2185652	24.2	1.000		0.99	
Diethyl Ether	0.3448456	4.8			20	
Difluorochloromethane (Freon 22)	0.518798	7.0			20	
1,4-Dioxane	2.328323E-03	9.6	0.997		0.99	
Ethyl Acetate	0.3420374	27.8	0.999		0.99	
Ethylbenzene	1.831278	9.8			20	
Hexachlorobutadiene	0.4058858	8.2			20	
2-Hexanone (MBK)	0.1263736	16.5			20	
Iodomethane	0.4565287	9.7			20	
Isopropylbenzene (Cumene)	1.750406	16.4			20	
p-Isopropyltoluene (p-Cymene)	1.687349	12.7			20	
Methyl Acetate	0.280978	5.8			20	
Methyl tert-Butyl Ether (MTBE)	0.6873719	15.5			20	
Methyl Cyclohexane	0.2284435	15.1			20	
Methylene Chloride	0.5239682	11.4			20	
4-Methyl-2-pentanone (MIBK)	0.180766	14.4			20	
Naphthalene	1.509242	12.4			20	
n-Propylbenzene	2.135932	13.2			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Park	Project:	Queensbury Landfill - CO 141573
Calibration:	2200243	Instrument:	GCMSVOA7
		Calibration Date:	4/29/2022 7:32:12AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Styrene	1.145137	15.7			20	
1,1,1,2-Tetrachloroethane	0.3909944	8.0			20	
1,1,2,2-Tetrachloroethane	0.4964978	4.0			20	
Tetrachloroethylene	0.2246036	10.2			20	
Tetrahydrofuran	0.1010188	12.8			20	
Toluene	0.7186708	7.4			20	
1,2,3-Trichlorobenzene	0.7067731	6.2			20	
1,2,4-Trichlorobenzene	0.7371623	8.2			20	
1,3,5-Trichlorobenzene	0.77419	6.8			20	
1,1,1-Trichloroethane	0.5587864	15.0			20	
1,1,2-Trichloroethane	0.1651139	7.3			20	
Trichloroethylene	0.2014673	8.6			20	
Trichlorofluoromethane (Freon 11)	0.7508579	13.3			20	
1,2,3-Trichloropropane	0.5174349	9.8			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.4416076	10.4			20	
1,2,3-Trimethylbenzene	1.623033	9.0			20	
1,2,4-Trimethylbenzene	1.490107	14.7			20	
1,3,5-Trimethylbenzene	1.487963	14.6			20	
Vinyl Chloride	0.5903414	8.9			20	
m+p Xylene	1.434736	11.3			20	
o-Xylene	1.447467	14.3			20	
1,2-Dichloroethane-d4	0.6868521	3.8			20	
Toluene-d8	1.189683	2.4			20	
4-Bromofluorobenzene	0.9049273	1.0			20	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100	118	7.159683E-02	0.0843061		17.8	
Acrolein	A	100	26.9	5.172498E-02	1.393018E-02		-73.1	
Acrylonitrile	A	10.0	10.1	0.1052471	0.1061924		0.9	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.1	0.7209663	0.7277661		0.9	
Benzene	A	10.0	9.89	1.222011	1.208739		-1.1	
Bromobenzene	A	10.0	10.8	0.6260948	0.6740082		7.7	
Bromochloromethane	A	10.0	10.8	0.2164615	0.2331615		7.7	
Bromodichloromethane	A	10.0	10.0	0.2476398	0.2478625		0.09	
Bromoform	A	10.0	11.2	0.2154443	0.2416618		12.2	
Bromomethane	A	10.0	10.2	0.1573628	0.1613513		2.5	
2-Butanone (MEK)	A	100	97.2	0.121202	0.1178482		-2.8	
tert-Butyl Alcohol (TBA)	A	100	92.8	2.292431E-02	2.128412E-02		-7.2	
n-Butylbenzene	A	10.0	10.8	1.352282	1.457815		7.8	
sec-Butylbenzene	A	10.0	11.4	1.802855	2.05115		13.8	
tert-Butylbenzene	A	10.0	11.0	1.253487	1.374203		9.6	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.3	0.79178	0.8134363		2.7	
Carbon Disulfide	A	10.0	11.6	0.7967695	0.9219723		15.7	
Carbon Tetrachloride	A	10.0	10.4	0.3758494	0.3890706		3.5	
Chlorobenzene	A	10.0	10.9	1.046329	1.137532		8.7	
Chlorodibromomethane	A	10.0	9.88	0.1869851	0.1846562		-1.2	
Chloroethane	A	10.0	8.74	0.1804872	0.1577612		-12.6	
Chloroform	A	10.0	10.1	0.5125747	0.5193928		1.3	
Chloromethane	A	10.0	8.04	0.3417516	0.2746975		-19.6	
2-Chlorotoluene	A	10.0	10.3	1.177333	1.209157		2.7	
4-Chlorotoluene	A	10.0	11.0	1.18012	1.302553		10.4	
Cyclohexane	A	10.0	10.8	0.5311212	0.5737267		8.0	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.8	6.088938E-02	6.606279E-02		8.5	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.1626881	0.1713314		5.3	
Dibromomethane	A	10.0	9.86	0.1175663	0.1159479		-1.4	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.0	0.7237142	0.7933398		9.6	
1,3-Dichlorobenzene	A	10.0	11.3	0.807913	0.9105337		12.7	
1,4-Dichlorobenzene	A	10.0	10.8	0.8249951	0.8930705		8.3	
trans-1,4-Dichloro-2-butene	A	10.0	9.45	0.1075568	0.1016926		-5.5	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.40	0.388165	0.3648793		-6.0	
1,1-Dichloroethane	A	10.0	10.4	0.5225156	0.5461735		4.5	
1,2-Dichloroethane	A	10.0	9.49	0.257927	0.2447904		-5.1	
1,1-Dichloroethylene	A	10.0	10.0	0.4222399	0.4229525		0.2	
cis-1,2-Dichloroethylene	A	10.0	10.2	0.4139672	0.4199944		1.5	
trans-1,2-Dichloroethylene	A	10.0	10.1	0.4209055	0.4242516		0.8	
Dichlorofluoromethane (Freon 21)	A	10.0	10.3	0.5179793	0.5341042		3.1	
1,2-Dichloropropane	A	10.0	10.5	0.2033845	0.2137053		5.1	
1,3-Dichloropropane	A	10.0	10.0	0.2792627	0.2791294		-0.05	
2,2-Dichloropropane	A	10.0	10.1	0.3895988	0.393872		1.1	
1,1-Dichloropropene	A	10.0	10.3	0.4005375	0.410769		2.6	
cis-1,3-Dichloropropene	A	10.0	10.2	0.3065878	0.3137168		2.3	
trans-1,3-Dichloropropene	A	10.0	10.6	0.2426863	0.2577698		6.2	
Diethyl Ether	A	10.0	11.2	0.1934383	0.2167911		12.1	
Difluorochloromethane (Freon 22)	A	10.0	9.13	0.4034106	0.3682412		-8.7	
Diisopropyl Ether (DIPE)	A	10.0	10.8	0.8727756	0.9401772		7.7	
1,4-Dioxane	A	100	90.0	2.088244E-03	1.879041E-03		-10.0	
Ethyl Acetate	A	10.0	9.91	0.2454666	0.2433524		-0.9	
Ethylbenzene	A	10.0	10.9	1.760677	1.925684		9.4	
Hexachlorobutadiene	A	10.0	11.2	0.2072355	0.2316274		11.8	
2-Hexanone (MBK)	A	100	105	0.1139797	0.1199556		5.2	
Iodomethane	A	10.0	13.4	0.3812631	0.5110365		34.0	
Isopropylbenzene (Cumene)	A	10.0	10.7	1.744379	1.861856		6.7	
p-Isopropyltoluene (p-Cymene)	A	10.0	11.3	1.469487	1.666029		13.4	

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INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V100422.D	Calibration Date:	01/04/22 07:35
Sequence:	S067153	Injection Date:	01/04/22
Lab Sample ID:	S067153-ICV1	Injection Time:	15:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.7	0.2306531	0.2475042		7.3	
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.73	0.703102	0.6843079		-2.7	
Methyl Cyclohexane	A	10.0	11.2	0.3318229	0.3703668		11.6	
Methylene Chloride	A	10.0	9.72	0.3681109	0.357945		-2.8	
4-Methyl-2-pentanone (MIBK)	A	100	99.8	0.1679712	0.1676582		-0.2	
Naphthalene	A	10.0	10.0	0.771276	0.7735024		0.3	
n-Propylbenzene	A	10.0	10.7	2.023007	2.16112		6.8	
Styrene	A	10.0	10.9	1.00575	1.094303		8.8	
1,1,1,2-Tetrachloroethane	A	10.0	11.1	0.3436871	0.382941		11.4	
1,1,2,2-Tetrachloroethane	A	10.0	10.8	0.3970277	0.4295891		8.2	
Tetrachloroethylene	A	10.0	10.4	0.2229981	0.2310536		3.6	
Tetrahydrofuran	A	10.0	9.60	7.719281E-02	7.410994E-02		-4.0	
Toluene	A	10.0	10.3	0.8432327	0.8720301		3.4	
1,2,3-Trichlorobenzene	A	10.0	10.7	0.2664118	0.2854044		7.1	
1,2,4-Trichlorobenzene	A	10.0	10.8	0.3606225	0.3889538		7.9	
1,3,5-Trichlorobenzene	A	10.0	11.3	0.4526021	0.5128841		13.3	
1,1,1-Trichloroethane	A	10.0	10.7	0.4099857	0.4380676		6.8	
1,1,2-Trichloroethane	A	10.0	10.5	0.1579222	0.1658597		5.0	
Trichloroethylene	A	10.0	10.6	0.2016221	0.21459		6.4	
Trichlorofluoromethane (Freon 11)	A	10.0	9.84	0.439477	0.4323621		-1.6	
1,2,3-Trichloropropane	A	10.0	11.0	0.304366	0.3347584		10.0	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.8	0.2881461	0.3111336		8.0	
1,2,3-Trimethylbenzene	A	10.0	10.8	1.37952	1.485161		7.7	
1,2,4-Trimethylbenzene	A	10.0	11.0	1.396902	1.529227		9.5	
1,3,5-Trimethylbenzene	A	10.0	11.0	1.283313	1.411956		10.0	
Vinyl Acetate	A	100	88.6	0.6095244	0.5402995		-11.4	
Vinyl Chloride	A	10.0	9.69	0.2174587	0.2107082		-3.1	
m+p Xylene	A	20.0	21.7	1.393248	1.514709		8.7	
o-Xylene	A	10.0	11.0	1.363976	1.494797		9.6	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA7	Calibration:	2200243
Lab File ID:	G22V119021.D	Calibration Date:	04/29/22 07:32
Sequence:	S071600	Injection Date:	04/29/22
Lab Sample ID:	S071600-ICV1	Injection Time:	13:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100	154	0.1245459	0.1912453		53.6	
Acrylonitrile	A	10.0	11.0	0.1124392	0.1233481		9.7	
tert-Amyl Methyl Ether (TAME)	A	10.0	12.0	0.5247349	0.6295288		20.0	
Benzene	A	10.0	9.90	1.371847	1.357774		-1.0	
Bromobenzene	A	10.0	11.0	0.869471	0.9592417		10.3	
Bromochloromethane	A	10.0	10.1	0.2444691	0.2466587		0.9	
Bromodichloromethane	A	10.0	10.6	0.2714232	0.2891638		6.5	
Bromoform	A	10.0	10.7	0.3072049	0.3283626		6.9	
Bromomethane	A	10.0	6.03	0.1815093	9.976061E-02		-39.7	
2-Butanone (MEK)	A	100	139	0.1506178	0.2086967		38.6	
tert-Butyl Alcohol (TBA)	A	100	112	2.448003E-02	2.754098E-02		12.5	
n-Butylbenzene	A	10.0	11.1	1.604854	1.776044		10.7	
sec-Butylbenzene	A	10.0	12.0	1.844997	2.206221		19.6	
tert-Butylbenzene	A	10.0	11.5	1.273459	1.459201		14.6	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.6	0.8153727	0.860391		5.5	
Carbon Disulfide	A	10.0	11.3	0.9811231	1.108019		12.9	
Carbon Tetrachloride	A	10.0	10.3	0.5106275	0.5237512		2.6	
Chlorobenzene	A	10.0	10.3	1.202494	1.234385		2.7	
Chlorodibromomethane	A	10.0	10.5	0.1999142	0.2095553		4.8	
Chloroethane	A	10.0	7.53	0.2811508	0.2116276		-24.7	
Chloroform	A	10.0	10.0	0.6505219	0.6505212		-0.0001	
Chloromethane	A	10.0	9.29	0.6143823	0.5709934		-7.1	
2-Chlorotoluene	A	10.0	11.0	1.222795	1.351147		10.5	
4-Chlorotoluene	A	10.0	10.8	1.53701	1.664517		8.3	
Cyclohexane	L	10.0	10.8	0.8836313	0.6147387		7.9	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	12.3	9.780038E-02	0.1202624		23.0	
1,2-Dibromoethane (EDB)	A	10.0	11.1	0.1710597	0.1902798		11.2	
Dibromomethane	A	10.0	10.5	0.1233906	0.1290876		4.6	
1,2-Dichlorobenzene	A	10.0	10.6	0.8993908	0.9559094		6.3	

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INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA7	Calibration:	2200243
Lab File ID:	G22V119021.D	Calibration Date:	04/29/22 07:32
Sequence:	S071600	Injection Date:	04/29/22
Lab Sample ID:	S071600-ICV1	Injection Time:	13:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Cyclohexane	A	10.0	12.6	0.2284435	0.2876662		25.9	
Methylene Chloride	A	10.0	9.19	0.5239682	0.4817344		-8.1	
4-Methyl-2-pentanone (MIBK)	A	100	124	0.180766	0.2235176		23.7	
Naphthalene	A	10.0	12.2	1.509242	1.845561		22.3	
n-Propylbenzene	A	10.0	11.1	2.135932	2.378172		11.3	
Styrene	A	10.0	10.9	1.145137	1.253224		9.4	
1,1,1,2-Tetrachloroethane	A	10.0	11.1	0.3909944	0.4326671		10.7	
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.4964978	0.5482614		10.4	
Tetrachloroethylene	A	10.0	10.6	0.2246036	0.2370647		5.5	
Tetrahydrofuran	A	10.0	10.1	0.1010188	0.1016178		0.6	
Toluene	A	10.0	10.1	0.7186708	0.7277312		1.3	
1,2,3-Trichlorobenzene	A	10.0	10.7	0.7067731	0.7535502		6.6	
1,2,4-Trichlorobenzene	A	10.0	10.4	0.7371623	0.764093		3.7	
1,3,5-Trichlorobenzene	A	10.0	10.6	0.77419	0.8220597		6.2	
1,1,1-Trichloroethane	A	10.0	10.7	0.5587864	0.5984858		7.1	
1,1,2-Trichloroethane	A	10.0	11.1	0.1651139	0.1835073		11.1	
Trichloroethylene	A	10.0	10.9	0.2014673	0.2189101		8.7	
Trichlorofluoromethane (Freon 11)	A	10.0	10.2	0.7508579	0.7693767		2.5	
1,2,3-Trichloropropane	A	10.0	11.1	0.5174349	0.5737382		10.9	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.9	0.4416076	0.5264162		19.2	
1,2,3-Trimethylbenzene	A	10.0	10.4	1.623033	1.686857		3.9	
1,2,4-Trimethylbenzene	A	10.0	11.1	1.490107	1.653017		10.9	
1,3,5-Trimethylbenzene	A	10.0	11.1	1.487963	1.645711		10.6	
Vinyl Chloride	A	10.0	9.51	0.5903414	0.5612863		-4.9	
m+p Xylene	A	20.0	22.0	1.434736	1.579482		10.1	
o-Xylene	A	10.0	11.1	1.447467	1.600561		10.6	
1,2-Dichloroethane-d4	A	25.0	24.3	0.6868521	0.6676693		-2.8	
Toluene-d8	A	25.0	25.2	1.189683	1.20147		1.0	
4-Bromofluorobenzene	A	25.0	25.0	0.9049273	0.9033228		-0.2	

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CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA7	Calibration:	2200243
Lab File ID:	G22V15703.D	Calibration Date:	04/29/22 07:32
Sequence:	S072378	Injection Date:	06/06/22
Lab Sample ID:	S072378-CCV1	Injection Time:	04:53

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	112	0.1245459	0.1389927		11.6	20	
Benzene	A	10.0	10.6	1.371847	1.456055		6.1	20	
Bromochloromethane	A	10.0	11.1	0.2444691	0.2710754		10.9	20	
Bromodichloromethane	A	10.0	10.5	0.2714232	0.2843853		4.8	20	
Bromoform	A	10.0	10.8	0.3072049	0.3304491		7.6	20	
Bromomethane	A	10.0	13.8	0.1815093	0.1981819		37.9	20	*
2-Butanone (MEK)	A	100	121	0.1506178	0.1828101		21.4	20	*
Carbon Disulfide	A	100	121	0.9811231	1.186301		20.9	20	*
Carbon Tetrachloride	A	10.0	10.9	0.5106275	0.554773		8.6	20	
Chlorobenzene	A	10.0	10.3	1.202494	1.239875		3.1	20	
Chlorodibromomethane	A	10.0	10.5	0.1999142	0.2098221		5.0	20	
Chloroethane	A	10.0	11.5	0.2811508	0.3231854		15.0	20	
Chloroform	A	10.0	10.5	0.6505219	0.6844423		5.2	20	
Chloromethane	A	10.0	11.1	0.6143823	0.680398		10.7	20	
Cyclohexane	L	10.0	11.4	0.8836313	0.6439008		14.0	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.1	9.780038E-02	9.849019E-02		0.7	20	
1,2-Dibromoethane (EDB)	A	10.0	10.4	0.1710597	0.1785343		4.4	20	
1,2-Dichlorobenzene	A	10.0	9.98	0.8993908	0.8976149		-0.2	20	
1,3-Dichlorobenzene	A	10.0	10.1	0.9270474	0.9362968		1.0	20	
1,4-Dichlorobenzene	A	10.0	9.84	0.9950378	0.9790939		-1.6	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.6	0.5070864	0.5401907		6.5	20	
1,1-Dichloroethane	A	10.0	11.1	0.624192	0.6931886		11.1	20	
1,2-Dichloroethane	A	10.0	9.77	0.3022458	0.2951645		-2.3	20	
1,1-Dichloroethylene	A	10.0	10.7	0.7945429	0.8468701		6.6	20	
cis-1,2-Dichloroethylene	A	10.0	10.5	0.5065441	0.5336634		5.4	20	
trans-1,2-Dichloroethylene	A	10.0	11.1	0.5280192	0.5839869		10.6	20	
1,2-Dichloropropane	A	10.0	11.4	0.1830423	0.2080493		13.7	20	
cis-1,3-Dichloropropene	A	10.0	11.1	0.2706093	0.3007512		11.1	20	
trans-1,3-Dichloropropene	L	10.0	9.69	0.2185652	0.2437453		-3.1	20	

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CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA7	Calibration:	2200243
Lab File ID:	G22V15703.D	Calibration Date:	04/29/22 07:32
Sequence:	S072378	Injection Date:	06/06/22
Lab Sample ID:	S072378-CCV1	Injection Time:	04:53

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	L	100	102	2.328323E-03	1.829154E-03		2.1	20
Ethylbenzene	A	10.0	10.7	1.831278	1.95205		6.6	20
2-Hexanone (MBK)	A	100	111	0.1263736	0.1401843		10.9	20
Isopropylbenzene (Cumene)	A	10.0	10.8	1.750406	1.889148		7.9	20
Methyl Acetate	A	10.0	11.3	0.280978	0.3172484		12.9	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.2	0.6873719	0.7015595		2.1	20
Methyl Cyclohexane	A	10.0	11.2	0.2284435	0.2561087		12.1	20
Methylene Chloride	A	10.0	10.3	0.5239682	0.541954		3.4	20
4-Methyl-2-pentanone (MIBK)	A	100	109	0.180766	0.1978873		9.5	20
Styrene	A	10.0	10.9	1.145137	1.247298		8.9	20
1,1,2,2-Tetrachloroethane	A	10.0	10.4	0.4964978	0.5188024		4.5	20
Tetrachloroethylene	A	10.0	10.5	0.2246036	0.236643		5.4	20
Toluene	A	10.0	10.4	0.7186708	0.7461721		3.8	20
1,2,3-Trichlorobenzene	A	10.0	9.58	0.7067731	0.676975		-4.2	20
1,2,4-Trichlorobenzene	A	10.0	9.31	0.7371623	0.6865214		-6.9	20
1,1,1-Trichloroethane	A	10.0	11.3	0.5587864	0.6313561		13.0	20
1,1,2-Trichloroethane	A	10.0	10.4	0.1651139	0.1721976		4.3	20
Trichloroethylene	A	10.0	10.7	0.2014673	0.2154916		7.0	20
Trichlorofluoromethane (Freon 11)	A	10.0	10.5	0.7508579	0.7873679		4.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.7	0.4416076	0.5169035		17.1	20
Vinyl Chloride	A	10.0	10.7	0.5903414	0.632586		7.2	20
m+p Xylene	A	20.0	22.3	1.434736	1.600865		11.6	20
o-Xylene	A	10.0	10.8	1.447467	1.56074		7.8	20
1,2-Dichloroethane-d4	A	25.0	22.8	0.6868521	0.6249997		-9.0	
Toluene-d8	A	25.0	24.8	1.189683	1.179607		-0.8	
4-Bromofluorobenzene	A	25.0	24.6	0.9049273	0.8884825		-1.8	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V15736.D	Calibration Date:	01/04/22 07:35
Sequence:	S072416	Injection Date:	06/06/22
Lab Sample ID:	S072416-CCV1	Injection Time:	22:26

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	108	7.159683E-02	7.712811E-02		7.7	20	
Benzene	A	10.0	9.39	1.222011	1.146982		-6.1	20	
Bromochloromethane	A	10.0	11.4	0.2164615	0.2460011		13.6	20	
Bromodichloromethane	A	10.0	10.4	0.2476398	0.2579991		4.2	20	
Bromoform	A	10.0	12.0	0.2154443	0.2591603		20.3	20	*
Bromomethane	A	10.0	14.0	0.1573628	0.2207081		40.3	20	*
2-Butanone (MEK)	A	100	107	0.121202	0.1299307		7.2	20	
Carbon Disulfide	A	100	103	0.7967695	0.8200992		2.9	20	
Carbon Tetrachloride	A	10.0	10.2	0.3758494	0.3839205		2.1	20	
Chlorobenzene	A	10.0	10.6	1.046329	1.113171		6.4	20	
Chlorodibromomethane	A	10.0	10.3	0.1869851	0.1930235		3.2	20	
Chloroethane	A	10.0	12.0	0.1804872	0.2172386		20.4	20	*
Chloroform	A	10.0	10.6	0.5125747	0.5424613		5.8	20	
Chloromethane	A	10.0	9.61	0.3417516	0.3284967		-3.9	20	
Cyclohexane	A	10.0	9.15	0.5311212	0.4859429		-8.5	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.1	6.088938E-02	6.171653E-02		1.4	20	
1,2-Dibromoethane (EDB)	A	10.0	11.3	0.1626881	0.18338		12.7	20	
1,2-Dichlorobenzene	A	10.0	10.2	0.7237142	0.7353661		1.6	20	
1,3-Dichlorobenzene	A	10.0	9.91	0.807913	0.8008582		-0.9	20	
1,4-Dichlorobenzene	A	10.0	10.1	0.8249951	0.8324151		0.9	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	8.46	0.388165	0.3282817		-15.4	20	
1,1-Dichloroethane	A	10.0	10.2	0.5225156	0.5330399		2.0	20	
1,2-Dichloroethane	A	10.0	9.93	0.257927	0.2559959		-0.7	20	
1,1-Dichloroethylene	A	10.0	10.2	0.4222399	0.4306852		2.0	20	
cis-1,2-Dichloroethylene	A	10.0	10.2	0.4139672	0.4237756		2.4	20	
trans-1,2-Dichloroethylene	A	10.0	9.58	0.4209055	0.4030173		-4.2	20	
1,2-Dichloropropane	A	10.0	10.5	0.2033845	0.2136882		5.1	20	
cis-1,3-Dichloropropene	A	10.0	9.44	0.3065878	0.2893522		-5.6	20	
trans-1,3-Dichloropropene	A	10.0	9.21	0.2426863	0.2234648		-7.9	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V15736.D	Calibration Date:	01/04/22 07:35
Sequence:	S072416	Injection Date:	06/06/22
Lab Sample ID:	S072416-CCV1	Injection Time:	22:26

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	92.3	2.088244E-03	1.926707E-03		-7.7	20	
Ethylbenzene	A	10.0	9.99	1.760677	1.759079		-0.09	20	
2-Hexanone (MBK)	A	100	109	0.1139797	0.1246517		9.4	20	
Isopropylbenzene (Cumene)	A	10.0	9.92	1.744379	1.731033		-0.8	20	
Methyl Acetate	A	10.0	11.3	0.2306531	0.2615894		13.4	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.93	0.703102	0.6979235		-0.7	20	
Methyl Cyclohexane	A	10.0	8.68	0.3318229	0.2880211		-13.2	20	
Methylene Chloride	A	10.0	11.3	0.3681109	0.4156052		12.9	20	
4-Methyl-2-pentanone (MIBK)	A	100	109	0.1679712	0.1836002		9.3	20	
Styrene	A	10.0	10.1	1.00575	1.020067		1.4	20	
1,1,2,2-Tetrachloroethane	A	10.0	12.1	0.3970277	0.4795112		20.8	20	*
Tetrachloroethylene	A	10.0	9.70	0.2229981	0.216317		-3.0	20	
Toluene	A	10.0	9.67	0.8432327	0.8155796		-3.3	20	
1,2,3-Trichlorobenzene	A	10.0	8.10	0.2664118	0.2157106		-19.0	20	
1,2,4-Trichlorobenzene	A	10.0	8.45	0.3606225	0.3047625		-15.5	20	
1,1,1-Trichloroethane	A	10.0	10.4	0.4099857	0.4264534		4.0	20	
1,1,2-Trichloroethane	A	10.0	11.1	0.1579222	0.1753869		11.1	20	
Trichloroethylene	A	10.0	10.2	0.2016221	0.2062808		2.3	20	
Trichlorofluoromethane (Freon 11)	A	10.0	10.0	0.439477	0.4402825		0.2	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.3	0.2881461	0.2963429		2.8	20	
Vinyl Chloride	A	10.0	11.7	0.2174587	0.2544452		17.0	20	
m+p Xylene	A	20.0	20.0	1.393248	1.391668		-0.1	20	
o-Xylene	A	10.0	10.1	1.363976	1.376768		0.9	20	
1,2-Dichloroethane-d4	A	25.0	26.8	0.4950766	0.5314586		7.3		
Toluene-d8	A	25.0	24.8	1.190889	1.180646		-0.9		
4-Bromofluorobenzene	A	25.0	24.6	0.8597184	0.8470249		-1.5		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V15828.D	Calibration Date:	01/04/22 07:35
Sequence:	S072454	Injection Date:	06/07/22
Lab Sample ID:	S072454-CCV1	Injection Time:	22:59

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	105	7.159683E-02	7.525368E-02		5.1	20	
Benzene	A	10.0	9.86	1.222011	1.204868		-1.4	20	
Bromochloromethane	A	10.0	12.4	0.2164615	0.2678321		23.7	20	*
Bromodichloromethane	A	10.0	10.9	0.2476398	0.2696512		8.9	20	
Bromoform	A	10.0	13.0	0.2154443	0.2792468		29.6	20	*
Bromomethane	A	10.0	14.2	0.1573628	0.2235323		42.0	20	*
2-Butanone (MEK)	A	100	107	0.121202	0.1293763		6.7	20	
Carbon Disulfide	A	100	122	0.7967695	0.9681029		21.5	20	*
Carbon Tetrachloride	A	10.0	11.2	0.3758494	0.4200394		11.8	20	
Chlorobenzene	A	10.0	10.7	1.046329	1.115018		6.6	20	
Chlorodibromomethane	A	10.0	11.1	0.1869851	0.20822		11.4	20	
Chloroethane	A	10.0	11.9	0.1804872	0.2153983		19.3	20	
Chloroform	A	10.0	10.8	0.5125747	0.5548909		8.3	20	
Chloromethane	A	10.0	4.25	0.3417516	0.1453748		-57.5	20	*
Cyclohexane	A	10.0	9.88	0.5311212	0.5247951		-1.2	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.1	6.088938E-02	0.0616012		1.2	20	
1,2-Dibromoethane (EDB)	A	10.0	11.3	0.1626881	0.184519		13.4	20	
1,2-Dichlorobenzene	A	10.0	10.2	0.7237142	0.7355411		1.6	20	
1,3-Dichlorobenzene	A	10.0	10.4	0.807913	0.8359043		3.5	20	
1,4-Dichlorobenzene	A	10.0	10.0	0.8249951	0.8283271		0.4	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.68	0.388165	0.3757092		-3.2	20	
1,1-Dichloroethane	A	10.0	10.8	0.5225156	0.5630859		7.8	20	
1,2-Dichloroethane	A	10.0	10.2	0.257927	0.26334		2.1	20	
1,1-Dichloroethylene	A	10.0	11.0	0.4222399	0.4621634		9.5	20	
cis-1,2-Dichloroethylene	A	10.0	10.6	0.4139672	0.4381071		5.8	20	
trans-1,2-Dichloroethylene	A	10.0	10.3	0.4209055	0.4319049		2.6	20	
1,2-Dichloropropane	A	10.0	10.7	0.2033845	0.218117		7.2	20	
cis-1,3-Dichloropropene	A	10.0	9.69	0.3065878	0.2971156		-3.1	20	
trans-1,3-Dichloropropene	A	10.0	9.65	0.2426863	0.2342978		-3.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSVOA5	Calibration:	2200004
Lab File ID:	E22V15828.D	Calibration Date:	01/04/22 07:35
Sequence:	S072454	Injection Date:	06/07/22
Lab Sample ID:	S072454-CCV1	Injection Time:	22:59

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	89.8	2.088244E-03	1.874902E-03		-10.2	20	
Ethylbenzene	A	10.0	10.2	1.760677	1.803114		2.4	20	
2-Hexanone (MBK)	A	100	103	0.1139797	0.1177493		3.3	20	
Isopropylbenzene (Cumene)	A	10.0	10.2	1.744379	1.787626		2.5	20	
Methyl Acetate	A	10.0	11.4	0.2306531	0.2618231		13.5	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.1	0.703102	0.7098943		1.0	20	
Methyl Cyclohexane	A	10.0	8.85	0.3318229	0.2936322		-11.5	20	
Methylene Chloride	A	10.0	11.8	0.3681109	0.4325455		17.5	20	
4-Methyl-2-pentanone (MIBK)	A	100	105	0.1679712	0.1765563		5.1	20	
Styrene	A	10.0	10.2	1.00575	1.029701		2.4	20	
1,1,2,2-Tetrachloroethane	A	10.0	12.0	0.3970277	0.477785		20.3	20	*
Tetrachloroethylene	A	10.0	10.3	0.2229981	0.2295918		3.0	20	
Toluene	A	10.0	10.0	0.8432327	0.8460554		0.3	20	
1,2,3-Trichlorobenzene	A	10.0	8.64	0.2664118	0.2302821		-13.6	20	
1,2,4-Trichlorobenzene	A	10.0	8.54	0.3606225	0.3079445		-14.6	20	
1,1,1-Trichloroethane	A	10.0	11.1	0.4099857	0.4541717		10.8	20	
1,1,2-Trichloroethane	A	10.0	11.2	0.1579222	0.1770809		12.1	20	
Trichloroethylene	A	10.0	10.7	0.2016221	0.216348		7.3	20	
Trichlorofluoromethane (Freon 11)	A	10.0	11.1	0.439477	0.4872974		10.9	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.7	0.2881461	0.3079022		6.9	20	
Vinyl Chloride	A	10.0	12.8	0.2174587	0.2775319		27.6	20	*
m+p Xylene	A	20.0	20.6	1.393248	1.436616		3.1	20	
o-Xylene	A	10.0	10.4	1.363976	1.415409		3.8	20	
1,2-Dichloroethane-d4	A	25.0	26.8	0.4950766	0.529763		7.0		
Toluene-d8	A	25.0	24.6	1.190889	1.171308		-1.6		
4-Bromofluorobenzene	A	25.0	25.0	0.8597184	0.8601052		0.04		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B310287	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B310287-MS1
Initial/Final:	960 mL / 1 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Atrazine	52.1	ND	34.1	65.5		40 - 140
Benzaldehyde	52.1	ND	16.6	31.8	*	40 - 140
Biphenyl	52.1	ND	18.5	35.5	*	40 - 140
Caprolactam	52.1	ND	12.4	23.9	*	40 - 140
Acenaphthene	52.1	ND	18.1	34.8	*	40 - 140
Acenaphthylene	52.1	ND	19.8	38.0	*	40 - 140
Acetophenone	52.1	ND	20.0	38.5	*	40 - 140
Anthracene	52.1	ND	25.6	49.1		40 - 140
Benzo(a)anthracene	52.1	ND	29.1	55.9		40 - 140
Benzo(a)pyrene	52.1	ND	27.0	51.8		40 - 140
Benzo(b)fluoranthene	52.1	ND	30.2	58.1		40 - 140
Benzo(g,h,i)perylene	52.1	ND	30.2	57.9		40 - 140
Benzo(k)fluoranthene	52.1	ND	31.6	60.6		40 - 140
Bis(2-chloroethoxy)methane	52.1	ND	21.7	41.6		40 - 140
Bis(2-chloroethyl)ether	52.1	ND	18.7	35.9	*	40 - 140
Bis(2-chloroisopropyl)ether	52.1	ND	19.0	36.4	*	40 - 140
Bis(2-Ethylhexyl)phthalate	52.1	ND	32.1	61.7		40 - 140
4-Bromophenylphenylether	52.1	ND	24.5	47.0		40 - 140
Butylbenzylphthalate	52.1	ND	31.4	60.3		40 - 140
Carbazole	52.1	ND	27.3	52.4		40 - 140
4-Chloroaniline	52.1	ND	23.0	44.2		40 - 140
4-Chloro-3-methylphenol	52.1	ND	29.0	55.6		30 - 130
2-Chloronaphthalene	52.1	ND	16.1	30.9	*	40 - 140
2-Chlorophenol	52.1	ND	21.3	40.9		30 - 130
4-Chlorophenylphenylether	52.1	ND	22.6	43.5		40 - 140
Chrysene	52.1	ND	27.3	52.3		40 - 140
Dibenz(a,h)anthracene	52.1	ND	30.3	58.3		40 - 140
Dibenzofuran	52.1	ND	21.5	41.2		40 - 140
Di-n-butylphthalate	52.1	ND	29.2	56.0		40 - 140
3,3-Dichlorobenzidine	52.1	ND	21.7	41.6		40 - 140

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Pa	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Instrument:	GCMSSV3

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
22F0251-01	22.7*	59.7	49.1	70.1	48.5	70.9
22F0251-04	37.4	48.9	42.4	58.2	41.9	67.7
B310381-BLK1	70.9	80.9	73.5	93.1	71.5	97.4
B310381-BS1	73.2	84.7	73.2	93.6	73.3	91.3
B310381-BSD1	73.7	83.2	72.3	92.1	72.5	90.6
B310381-MS1	22.4*	61.7	52.9	76.4	51.0	73.9
B310381-MSD1	18.5*	51.6	43.1	62.7	43.0	65.0

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B310287	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B310287-MS1
Initial/Final:	960 mL / 1 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
2,4-Dichlorophenol	52.1	ND	23.4	44.9		30 - 130
Diethylphthalate	52.1	ND	29.3	56.2		40 - 140
2,4-Dimethylphenol	52.1	ND	20.3	39.0		30 - 130
Dimethylphthalate	52.1	ND	31.0	59.5		40 - 140
4,6-Dinitro-2-methylphenol	52.1	ND	31.1	59.8		30 - 130
2,4-Dinitrophenol	52.1	ND	28.3	54.4		30 - 130
2,4-Dinitrotoluene	52.1	ND	29.0	55.7		40 - 140
2,6-Dinitrotoluene	52.1	ND	29.3	56.2		40 - 140
Di-n-octylphthalate	52.1	ND	36.4	70.0		40 - 140
Fluoranthene	52.1	ND	28.9	55.4		40 - 140
Fluorene	52.1	ND	22.8	43.7		40 - 140
Hexachlorobenzene	52.1	ND	24.3	46.6		40 - 140
Hexachlorobutadiene	52.1	ND	8.88	17.0	*	40 - 140
Hexachlorocyclopentadiene	52.1	ND	10 U	0	*	30 - 130
Hexachloroethane	52.1	ND	7.76	14.9	*	40 - 140
Indeno(1,2,3-cd)pyrene	52.1	ND	30.6	58.8		40 - 140
Isophorone	52.1	ND	23.9	45.9		40 - 140
2-Methylnaphthalene	52.1	ND	17.4	33.4	*	40 - 140
2-Methylphenol	52.1	ND	23.1	44.3		30 - 130
3/4-Methylphenol	52.1	ND	23.0	44.2		30 - 130
Naphthalene	52.1	ND	15.6	30.0	*	40 - 140
2-Nitroaniline	52.1	ND	31.0	59.6		40 - 140
3-Nitroaniline	52.1	ND	32.5	62.3		40 - 140
4-Nitroaniline	52.1	ND	29.2	56.1		40 - 140
Nitrobenzene	52.1	ND	19.7	37.8	*	40 - 140
2-Nitrophenol	52.1	ND	21.6	41.4		30 - 130
4-Nitrophenol	52.1	ND	27.6	53.0		30 - 130
N-Nitrosodiphenylamine/Diphenylamine	52.1	ND	23.6	45.3		40 - 140
N-Nitrosodi-n-propylamine	52.1	ND	22.3	42.8		40 - 140
Pentachlorophenol	52.1	ND	19.1	36.6		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B310287	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B310287-MSD1
Initial/Final:	1030 mL / 1 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Atrazine	48.5	36.2	74.7		6.05		30	40 - 140
Benzaldehyde	48.5	23.5	48.4		34.5	*	30	40 - 140
Biphenyl	48.5	25.3	52.2		31.4	*	30	40 - 140
Caprolactam	48.5	10.7	22.1	*	14.7		30	40 - 140
Acenaphthene	48.5	24.1	49.6		28.1		30	40 - 140
Acenaphthylene	48.5	26.5	54.5		28.9		30	40 - 140
Acetophenone	48.5	26.3	54.2		27.1		30	40 - 140
Anthracene	48.5	29.2	60.2		13.3		30	40 - 140
Benzo(a)anthracene	48.5	32.4	66.8		10.7		30	40 - 140
Benzo(a)pyrene	48.5	30.6	63.1		12.8		30	40 - 140
Benzo(b)fluoranthene	48.5	33.2	68.4		9.34		30	40 - 140
Benzo(g,h,i)perylene	48.5	34.9	71.9		14.6		30	40 - 140
Benzo(k)fluoranthene	48.5	35.9	73.9		12.8		30	40 - 140
Bis(2-chloroethoxy)methane	48.5	27.5	56.7		23.8		30	40 - 140
Bis(2-chloroethyl)ether	48.5	24.7	50.8		27.6		30	40 - 140
Bis(2-chloroisopropyl)ether	48.5	26.5	54.6		33.1	*	30	40 - 140
Bis(2-Ethylhexyl)phthalate	48.5	34.9	71.9		8.20		30	40 - 140
4-Bromophenylphenylether	48.5	28.3	58.3		14.5		30	40 - 140
Butylbenzylphthalate	48.5	35.1	72.4		11.3		30	40 - 140
Carbazole	48.5	30.3	62.3		10.3		30	40 - 140
4-Chloroaniline	48.5	30.5	62.7		27.8		30	40 - 140
4-Chloro-3-methylphenol	48.5	33.7	69.3		15.0		30	30 - 130
2-Chloronaphthalene	48.5	21.9	45.1		30.7	*	30	40 - 140
2-Chlorophenol	48.5	26.9	55.4		23.2		30	30 - 130
4-Chlorophenylphenylether	48.5	28.3	58.4		22.3		30	40 - 140
Chrysene	48.5	29.8	61.5		9.02		30	40 - 140
Dibenz(a,h)anthracene	48.5	34.6	71.3		13.2		30	40 - 140
Dibenzofuran	48.5	28.5	58.7		28.2		30	40 - 140
Di-n-butylphthalate	48.5	31.5	64.8		7.62		30	40 - 140
3,3-Dichlorobenzidine	48.5	28.4	58.5		26.8		30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B310287	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B310287-MSD1
Initial/Final:	1030 mL / 1 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,4-Dichlorophenol	48.5	28.7	59.1		20.4		30	30 - 130
Diethylphthalate	48.5	33.3	68.6		12.8		30	40 - 140
2,4-Dimethylphenol	48.5	25.5	52.5		22.8		30	30 - 130
Dimethylphthalate	48.5	34.7	71.6		11.3		30	40 - 140
4,6-Dinitro-2-methylphenol	48.5	33.5	69.0		7.27		30	30 - 130
2,4-Dinitrophenol	48.5	30.4	62.6		6.97		30	30 - 130
2,4-Dinitrotoluene	48.5	33.1	68.1		13.1		30	40 - 140
2,6-Dinitrotoluene	48.5	33.6	69.1		13.7		30	40 - 140
Di-n-octylphthalate	48.5	40.4	83.3		10.4		30	40 - 140
Fluoranthene	48.5	31.1	64.1		7.54		30	40 - 140
Fluorene	48.5	29.0	59.8		24.1		30	40 - 140
Hexachlorobenzene	48.5	28.7	59.2		16.8		30	40 - 140
Hexachlorobutadiene	48.5	13.4	27.7	*	40.8	*	30	40 - 140
Hexachlorocyclopentadiene	48.5	4.29	8.84	*			30	30 - 130
Hexachloroethane	48.5	10.5	21.6	*	29.7		30	40 - 140
Indeno(1,2,3-cd)pyrene	48.5	38.5	79.4		22.8		30	40 - 140
Isophorone	48.5	30.4	62.6		23.9		30	40 - 140
2-Methylnaphthalene	48.5	24.3	50.1		33.4	*	30	40 - 140
2-Methylphenol	48.5	27.0	55.6		15.7		30	30 - 130
3/4-Methylphenol	48.5	26.7	55.1		14.9		30	30 - 130
Naphthalene	48.5	21.9	45.1		33.4	*	30	40 - 140
2-Nitroaniline	48.5	35.3	72.7		12.9		30	40 - 140
3-Nitroaniline	48.5	37.3	76.8		13.8		30	40 - 140
4-Nitroaniline	48.5	32.9	67.8		11.8		30	40 - 140
Nitrobenzene	48.5	26.1	53.9		28.2		30	40 - 140
2-Nitrophenol	48.5	29.3	60.3		30.3	*	30	30 - 130
4-Nitrophenol	48.5	25.5	52.5		7.91		30	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	48.5	27.7	57.1		16.0		30	40 - 140
N-Nitrosodi-n-propylamine	48.5	28.4	58.5		24.2		30	40 - 140
Pentachlorophenol	48.5	21.4	44.1		11.4		30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B310287	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B310287-MSD1
Initial/Final:	1030 mL / 1 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD		QC LIMITS RPD	QC LIMITS REC.
Phenanthrene	48.5	29.4	60.6	14.7		30	40 - 140
Phenol	48.5	14.6	30.1	7.90		30	30 - 130
Pyrene	48.5	32.7	67.4	11.0		30	40 - 140
1,2,4,5-Tetrachlorobenzene	48.5	22.7	46.8	37.1	*	30	40 - 140
2,4,5-Trichlorophenol	48.5	32.3	66.6	21.7		30	30 - 130
2,4,6-Trichlorophenol	48.5	31.0	63.8	27.9		30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B310381	Preparation:	SW-846 3546
% Solids:	25.20	Laboratory ID:	B310381-MS1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	22F0251-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Atrazine	6.61	ND	3.67	55.5		40 - 140
Benzaldehyde	6.61	0.163	3.00	42.9		40 - 140
Biphenyl	6.61	ND	3.92	59.3		40 - 140
Caprolactam	6.61	ND	2.70	40.8		40 - 140
Acenaphthene	6.61	ND	3.51	53.1		40 - 140
Acenaphthylene	6.61	ND	3.41	51.5		40 - 140
Acetophenone	6.61	ND	3.31	50.1		40 - 140
Anthracene	6.61	ND	3.40	51.4		40 - 140
Benzo(a)anthracene	6.61	ND	3.76	56.8		40 - 140
Benzo(a)pyrene	6.61	ND	3.46	52.3		40 - 140
Benzo(b)fluoranthene	6.61	ND	3.30	49.8		40 - 140
Benzo(g,h,i)perylene	6.61	ND	4.67	70.6		40 - 140
Benzo(k)fluoranthene	6.61	ND	3.69	55.8		40 - 140
Bis(2-chloroethoxy)methane	6.61	ND	3.76	56.8		40 - 140
Bis(2-chloroethyl)ether	6.61	ND	3.35	50.6		40 - 140
Bis(2-chloroisopropyl)ether	6.61	ND	3.74	56.5		40 - 140
Bis(2-Ethylhexyl)phthalate	6.61	ND	4.91	74.2		40 - 140
4-Bromophenylphenylether	6.61	ND	3.77	57.0		40 - 140
Butylbenzylphthalate	6.61	ND	4.81	72.7		40 - 140
Carbazole	6.61	ND	3.75	56.7		40 - 140
4-Chloroaniline	6.61	ND	1.35	20.4	*	40 - 140
4-Chloro-3-methylphenol	6.61	ND	3.61	54.5		30 - 130
2-Chloronaphthalene	6.61	ND	3.20	48.4		40 - 140
2-Chlorophenol	6.61	ND	3.41	51.5		30 - 130
4-Chlorophenylphenylether	6.61	ND	3.62	54.7		40 - 140
Chrysene	6.61	ND	3.72	56.3		40 - 140
Dibenz(a,h)anthracene	6.61	ND	4.74	71.6		40 - 140
Dibenzofuran	6.61	ND	3.68	55.6		40 - 140
Di-n-butylphthalate	6.61	ND	3.90	59.0		40 - 140
3,3-Dichlorobenzidine	6.61	ND	0.205	3.10	*	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B310381	Preparation:	SW-846 3546
% Solids:	25.20	Laboratory ID:	B310381-MS1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	22F0251-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
2,4-Dichlorophenol	6.61	ND	3.60	54.5		30 - 130
Diethylphthalate	6.61	ND	3.70	55.9		40 - 140
2,4-Dimethylphenol	6.61	ND	3.45	52.2		30 - 130
Dimethylphthalate	6.61	ND	3.76	56.9		40 - 140
4,6-Dinitro-2-methylphenol	6.61	ND	3.98	60.1		30 - 130
2,4-Dinitrophenol	6.61	ND	3.15	47.6		30 - 130
2,4-Dinitrotoluene	6.61	ND	3.65	55.2		40 - 140
2,6-Dinitrotoluene	6.61	ND	4.03	61.0		40 - 140
Di-n-octylphthalate	6.61	ND	4.39	66.3		40 - 140
Fluoranthene	6.61	ND	3.71	56.0		40 - 140
Fluorene	6.61	ND	3.60	54.4		40 - 140
Hexachlorobenzene	6.61	ND	3.64	55.1		40 - 140
Hexachlorobutadiene	6.61	ND	2.87	43.5		40 - 140
Hexachlorocyclopentadiene	6.61	ND	1.3 U	0	*	30 - 130
Hexachloroethane	6.61	ND	1.25	18.9	*	40 - 140
Indeno(1,2,3-cd)pyrene	6.61	ND	4.61	69.6		40 - 140
Isophorone	6.61	ND	3.70	55.9		40 - 140
2-Methylnaphthalene	6.61	ND	3.60	54.4		40 - 140
2-Methylphenol	6.61	ND	3.54	53.5		30 - 130
3/4-Methylphenol	6.61	ND	3.40	51.4		30 - 130
Naphthalene	6.61	ND	3.37	51.0		40 - 140
2-Nitroaniline	6.61	ND	5.35	80.9		40 - 140
3-Nitroaniline	6.61	ND	2.17	32.8	*	40 - 140
4-Nitroaniline	6.61	ND	3.28	49.5		40 - 140
Nitrobenzene	6.61	ND	3.52	53.2		40 - 140
2-Nitrophenol	6.61	ND	3.87	58.5		30 - 130
4-Nitrophenol	6.61	ND	3.78	57.1		30 - 130
N-Nitrosodiphenylamine/Diphenylamine	6.61	ND	3.86	58.3		40 - 140
N-Nitrosodi-n-propylamine	6.61	ND	3.51	53.1		40 - 140
Pentachlorophenol	6.61	ND	0.861	13.0	*	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B310381	Preparation:	SW-846 3546
% Solids:	25.20	Laboratory ID:	B310381-MS1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	22F0251-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Phenanthrene	6.61	ND	3.67	55.4		40 - 140
Phenol	6.61	ND	3.31	50.1		30 - 130
Pyrene	6.61	ND	4.35	65.8		40 - 140
1,2,4,5-Tetrachlorobenzene	6.61	ND	3.42	51.6		40 - 140
2,4,5-Trichlorophenol	6.61	ND	3.21	48.6		30 - 130
2,4,6-Trichlorophenol	6.61	ND	1.93	29.1	*	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B310381	Preparation:	SW-846 3546
% Solids:	25.20	Laboratory ID:	B310381-MSD1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	22F0251-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Atrazine	6.61	3.39	51.2		8.10		30	40 - 140
Benzaldehyde	6.61	2.56	36.3	*	15.8		30	40 - 140
Biphenyl	6.61	3.35	50.6		15.9		30	40 - 140
Caprolactam	6.61	3.12	47.1		14.4		30	40 - 140
Acenaphthene	6.61	3.08	46.5		13.2		30	40 - 140
Acenaphthylene	6.61	2.94	44.4		14.8		30	40 - 140
Acetophenone	6.61	2.80	42.3		16.8		30	40 - 140
Anthracene	6.61	3.05	46.1		10.9		30	40 - 140
Benzo(a)anthracene	6.61	3.37	51.0		10.8		30	40 - 140
Benzo(a)pyrene	6.61	3.02	45.6		13.5		30	40 - 140
Benzo(b)fluoranthene	6.61	2.88	43.6		13.3		30	40 - 140
Benzo(g,h,i)perylene	6.61	3.95	59.7		16.7		30	40 - 140
Benzo(k)fluoranthene	6.61	3.26	49.3		12.5		30	40 - 140
Bis(2-chloroethoxy)methane	6.61	3.12	47.1		18.7		30	40 - 140
Bis(2-chloroethyl)ether	6.61	2.80	42.3		17.7		30	40 - 140
Bis(2-chloroisopropyl)ether	6.61	3.30	49.9		12.5		30	40 - 140
Bis(2-Ethylhexyl)phthalate	6.61	4.48	67.7		9.10		30	40 - 140
4-Bromophenylphenylether	6.61	3.26	49.2		14.5		30	40 - 140
Butylbenzylphthalate	6.61	4.41	66.7		8.64		30	40 - 140
Carbazole	6.61	3.35	50.6		11.3		30	40 - 140
4-Chloroaniline	6.61	1.54	23.3	*	13.2		30	40 - 140
4-Chloro-3-methylphenol	6.61	3.17	47.9		13.0		30	30 - 130
2-Chloronaphthalene	6.61	2.77	41.9		14.4		30	40 - 140
2-Chlorophenol	6.61	2.84	43.0		18.1		30	30 - 130
4-Chlorophenylphenylether	6.61	3.19	48.2		12.6		30	40 - 140
Chrysene	6.61	3.33	50.3		11.2		30	40 - 140
Dibenz(a,h)anthracene	6.61	4.09	61.8		14.8		30	40 - 140
Dibenzofuran	6.61	3.17	48.0		14.7		30	40 - 140
Di-n-butylphthalate	6.61	3.57	53.9		8.99		30	40 - 140
3,3-Dichlorobenzidine	6.61	0.573	8.66	*	94.6	*	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B310381	Preparation:	SW-846 3546
% Solids:	25.20	Laboratory ID:	B310381-MSD1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	22F0251-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,4-Dichlorophenol	6.61	3.02	45.7		17.6		30	30 - 130
Diethylphthalate	6.61	3.30	49.8		11.5		30	40 - 140
2,4-Dimethylphenol	6.61	2.83	42.7		20.0		30	30 - 130
Dimethylphthalate	6.61	3.28	49.5		13.8		30	40 - 140
4,6-Dinitro-2-methylphenol	6.61	3.85	58.2		3.28		30	30 - 130
2,4-Dinitrophenol	6.61	3.68	55.6		15.5		30	30 - 130
2,4-Dinitrotoluene	6.61	3.34	50.5		8.97		30	40 - 140
2,6-Dinitrotoluene	6.61	3.56	53.8		12.5		30	40 - 140
Di-n-octylphthalate	6.61	3.99	60.4		9.35		30	40 - 140
Fluoranthene	6.61	3.34	50.5		10.4		30	40 - 140
Fluorene	6.61	3.17	47.9		12.7		30	40 - 140
Hexachlorobenzene	6.61	3.14	47.5		14.9		30	40 - 140
Hexachlorobutadiene	6.61	2.68	40.6		6.90		30	40 - 140
Hexachlorocyclopentadiene	6.61	1.3 U	0	*			30	30 - 130
Hexachloroethane	6.61	2.21	33.5	*	55.9	*	30	40 - 140
Indeno(1,2,3-cd)pyrene	6.61	3.99	60.3		14.3		30	40 - 140
Isophorone	6.61	3.10	46.9		17.4		30	40 - 140
2-Methylnaphthalene	6.61	3.08	46.6		15.5		30	40 - 140
2-Methylphenol	6.61	3.02	45.6		15.9		30	30 - 130
3/4-Methylphenol	6.61	2.92	44.2		15.1		30	30 - 130
Naphthalene	6.61	2.87	43.5		15.9		30	40 - 140
2-Nitroaniline	6.61	4.22	63.7		23.7		30	40 - 140
3-Nitroaniline	6.61	2.32	35.1	*	6.60		30	40 - 140
4-Nitroaniline	6.61	2.91	43.9		12.0		30	40 - 140
Nitrobenzene	6.61	2.91	44.1		18.8		30	40 - 140
2-Nitrophenol	6.61	3.41	51.6		12.5		30	30 - 130
4-Nitrophenol	6.61	3.45	52.2		8.96		30	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	6.61	3.37	50.9		13.5		30	40 - 140
N-Nitrosodi-n-propylamine	6.61	2.98	45.1		16.4		30	40 - 140
Pentachlorophenol	6.61	0.856	12.9	*	0.616		30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B310381	Preparation:	SW-846 3546
% Solids:	25.20	Laboratory ID:	B310381-MSD1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	22F0251-01
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Phenanthrene	6.61	3.28	49.6		11.2	30	40 - 140
Phenol	6.61	2.83	42.9		15.6	30	30 - 130
Pyrene	6.61	3.94	59.6		9.86	30	40 - 140
1,2,4,5-Tetrachlorobenzene	6.61	2.88	43.6		16.9	30	40 - 140
2,4,5-Trichlorophenol	6.61	2.72	41.1		16.6	30	30 - 130
2,4,6-Trichlorophenol	6.61	1.56	23.5	*	21.3	30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B310287	Laboratory ID:	B310287-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	38.8	77.7		40 - 140
Benzaldehyde	50.0	24.0	47.9		40 - 140
Biphenyl	50.0	28.2	56.3		40 - 140
Caprolactam	50.0	13.0	25.9	*	40 - 140
Acenaphthene	50.0	28.1	56.2		40 - 140
Acenaphthylene	50.0	30.2	60.4		40 - 140
Acetophenone	50.0	28.6	57.2		40 - 140
Anthracene	50.0	32.6	65.3		40 - 140
Benzo(a)anthracene	50.0	34.5	68.9		40 - 140
Benzo(a)pyrene	50.0	33.9	67.8		40 - 140
Benzo(b)fluoranthene	50.0	34.5	69.0		40 - 140
Benzo(g,h,i)perylene	50.0	38.1	76.1		40 - 140
Benzo(k)fluoranthene	50.0	36.3	72.6		40 - 140
Bis(2-chloroethoxy)methane	50.0	30.2	60.5		40 - 140
Bis(2-chloroethyl)ether	50.0	26.1	52.3		40 - 140
Bis(2-chloroisopropyl)ether	50.0	27.5	55.0		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	41.7	83.3		40 - 140
4-Bromophenylphenylether	50.0	32.1	64.1		40 - 140
Butylbenzylphthalate	50.0	41.5	83.0		40 - 140
Carbazole	50.0	33.6	67.1		40 - 140
4-Chloroaniline	50.0	35.5	71.1		40 - 140
4-Chloro-3-methylphenol	50.0	36.6	73.3		30 - 130
2-Chloronaphthalene	50.0	24.9	49.8		40 - 140
2-Chlorophenol	50.0	27.1	54.3		30 - 130
4-Chlorophenylphenylether	50.0	32.6	65.3		40 - 140
Chrysene	50.0	32.4	64.8		40 - 140
Dibenz(a,h)anthracene	50.0	35.4	70.7		40 - 140
Dibenzofuran	50.0	32.1	64.2		40 - 140
Di-n-butylphthalate	50.0	36.1	72.3		40 - 140
3,3-Dichlorobenzidine	50.0	41.2	82.4		40 - 140
2,4-Dichlorophenol	50.0	31.6	63.2		30 - 130
Diethylphthalate	50.0	37.6	75.3		40 - 140
2,4-Dimethylphenol	50.0	28.6	57.3		30 - 130
Dimethylphthalate	50.0	36.4	72.7		40 - 140
4,6-Dinitro-2-methylphenol	50.0	36.4	72.8		30 - 130
2,4-Dinitrophenol	50.0	29.8	59.7		30 - 130
2,4-Dinitrotoluene	50.0	37.7	75.4		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B310287	Laboratory ID:	B310287-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,6-Dinitrotoluene	50.0	38.1	76.1		40 - 140
Di-n-octylphthalate	50.0	40.2	80.5		40 - 140
Fluoranthene	50.0	33.6	67.1		40 - 140
Fluorene	50.0	32.6	65.2		40 - 140
Hexachlorobenzene	50.0	30.4	60.8		40 - 140
Hexachlorobutadiene	50.0	18.1	36.2	*	40 - 140
Hexachlorocyclopentadiene	50.0	7.17	14.3	*	30 - 140
Hexachloroethane	50.0	13.5	27.1	*	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	34.9	69.9		40 - 140
Isophorone	50.0	33.0	66.0		40 - 140
2-Methylnaphthalene	50.0	28.1	56.1		40 - 140
2-Methylphenol	50.0	27.6	55.2		30 - 130
3/4-Methylphenol	50.0	28.0	56.0		30 - 130
Naphthalene	50.0	23.1	46.3		40 - 140
2-Nitroaniline	50.0	38.6	77.2		40 - 140
3-Nitroaniline	50.0	38.4	76.8		40 - 140
4-Nitroaniline	50.0	37.6	75.3		40 - 140
Nitrobenzene	50.0	28.7	57.4		40 - 140
2-Nitrophenol	50.0	31.2	62.4		30 - 130
4-Nitrophenol	50.0	25.6	51.3		10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	33.4	66.8		40 - 140
N-Nitrosodi-n-propylamine	50.0	31.4	62.8		40 - 140
Pentachlorophenol	50.0	20.6	41.3		30 - 130
Phenanthrene	50.0	32.2	64.4		40 - 140
Phenol	50.0	14.7	29.4		20 - 130
Pyrene	50.0	36.2	72.3		40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	25.7	51.3		40 - 140
2,4,5-Trichlorophenol	50.0	33.9	67.8		30 - 130
2,4,6-Trichlorophenol	50.0	34.2	68.4		30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
Atrazine	50.0	31.2	62.5		21.7	*	20	40 - 140
Benzaldehyde	50.0	20.6	41.3		15.0		20	40 - 140
Biphenyl	50.0	23.6	47.2		17.5		20	40 - 140
Caprolactam	50.0	11.0	22.1	*	16.1		20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B310287	Laboratory ID:	B310287-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.0	22.7	45.4	21.4	*	20	40 - 140
Acenaphthylene	50.0	24.7	49.3	20.2	*	20	40 - 140
Acetophenone	50.0	24.1	48.2	17.2		20	40 - 140
Anthracene	50.0	28.0	55.9	15.4		20	40 - 140
Benzo(a)anthracene	50.0	31.1	62.2	10.2		20	40 - 140
Benzo(a)pyrene	50.0	27.8	55.5	20.0		20	40 - 140
Benzo(b)fluoranthene	50.0	25.3	50.7	30.6	*	20	40 - 140
Benzo(g,h,i)perylene	50.0	29.0	58.0	27.0	*	20	40 - 140
Benzo(k)fluoranthene	50.0	28.6	57.2	23.8	*	20	40 - 140
Bis(2-chloroethoxy)methane	50.0	24.9	49.9	19.3		20	40 - 140
Bis(2-chloroethyl)ether	50.0	23.0	46.0	12.7		20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	25.0	50.1	9.29		20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	36.8	73.6	12.4		20	40 - 140
4-Bromophenylphenylether	50.0	27.5	54.9	15.5		20	40 - 140
Butylbenzylphthalate	50.0	38.1	76.2	8.59		20	40 - 140
Carbazole	50.0	28.7	57.5	15.5		20	40 - 140
4-Chloroaniline	50.0	31.7	63.4	11.4		20	40 - 140
4-Chloro-3-methylphenol	50.0	29.2	58.4	22.6	*	20	30 - 130
2-Chloronaphthalene	50.0	20.9	41.8	17.4		20	40 - 140
2-Chlorophenol	50.0	24.3	48.6	11.1		20	30 - 130
4-Chlorophenylphenylether	50.0	26.6	53.1	20.6	*	20	40 - 140
Chrysene	50.0	28.8	57.5	11.8		20	40 - 140
Dibenz(a,h)anthracene	50.0	29.8	59.5	17.2		20	40 - 140
Dibenzofuran	50.0	25.9	51.8	21.5	*	20	40 - 140
Di-n-butylphthalate	50.0	33.3	66.6	8.21		20	40 - 140
3,3-Dichlorobenzidine	50.0	34.0	68.1	19.0		20	40 - 140
2,4-Dichlorophenol	50.0	26.1	52.2	19.0		20	30 - 130
Diethylphthalate	50.0	31.6	63.2	17.4		20	40 - 140
2,4-Dimethylphenol	50.0	22.6	45.3	23.3	*	20	30 - 130
Dimethylphthalate	50.0	30.5	61.1	17.4		50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	32.1	64.1	12.7		50	30 - 130
2,4-Dinitrophenol	50.0	21.1	42.2	34.3		50	30 - 130
2,4-Dinitrotoluene	50.0	30.3	60.6	21.8	*	20	40 - 140
2,6-Dinitrotoluene	50.0	30.7	61.3	21.6	*	20	40 - 140
Di-n-octylphthalate	50.0	30.9	61.8	26.3	*	20	40 - 140
Fluoranthene	50.0	29.6	59.3	12.4		20	40 - 140
Fluorene	50.0	27.5	54.9	17.1		20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B310287	Laboratory ID:	B310287-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
Hexachlorobenzene	50.0	26.1	52.3		15.1		20	40 - 140
Hexachlorobutadiene	50.0	15.8	31.5	*	13.8		20	40 - 140
Hexachlorocyclopentadiene	50.0	5.59	11.2	*	24.8		50	30 - 140
Hexachloroethane	50.0	13.1	26.2	*	3.23		50	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	33.0	66.1		5.59		50	40 - 140
Isophorone	50.0	28.2	56.4		15.7		20	40 - 140
2-Methylnaphthalene	50.0	22.6	45.1		21.8	*	20	40 - 140
2-Methylphenol	50.0	24.4	48.8		12.4		20	30 - 130
3/4-Methylphenol	50.0	24.3	48.6		14.1		20	30 - 130
Naphthalene	50.0	19.8	39.5	*	15.7		20	40 - 140
2-Nitroaniline	50.0	34.1	68.2		12.4		20	40 - 140
3-Nitroaniline	50.0	34.1	68.2		11.9		20	40 - 140
4-Nitroaniline	50.0	32.1	64.3		15.8		20	40 - 140
Nitrobenzene	50.0	24.2	48.3		17.1		20	40 - 140
2-Nitrophenol	50.0	26.1	52.3		17.7		20	30 - 130
4-Nitrophenol	50.0	25.3	50.6		1.30		50	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	28.2	56.3		17.0		20	40 - 140
N-Nitrosodi-n-propylamine	50.0	26.6	53.2		16.5		20	40 - 140
Pentachlorophenol	50.0	15.5	30.9		28.6		50	30 - 130
Phenanthrene	50.0	28.2	56.5		13.1		20	40 - 140
Phenol	50.0	14.0	28.0		4.88		20	20 - 130
Pyrene	50.0	33.2	66.4		8.60		20	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	21.7	43.4		16.7		20	40 - 140
2,4,5-Trichlorophenol	50.0	28.8	57.6		16.2		20	30 - 130
2,4,6-Trichlorophenol	50.0	27.8	55.6		20.6		50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B310381	Laboratory ID:	B310381-BS1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
2,6-Dinitrotoluene	1.67	1.36	81.9		40 - 140
Di-n-octylphthalate	1.67	1.38	82.7		40 - 140
Fluoranthene	1.67	1.18	70.5		40 - 140
Fluorene	1.67	1.24	74.2		40 - 140
Hexachlorobenzene	1.67	1.19	71.3		40 - 140
Hexachlorobutadiene	1.67	1.10	65.8		40 - 140
Hexachlorocyclopentadiene	1.67	0.428	25.7	*	40 - 140
Hexachloroethane	1.67	1.02	61.0		40 - 140
Indeno(1,2,3-cd)pyrene	1.67	1.47	88.0		40 - 140
Isophorone	1.67	1.20	72.2		40 - 140
2-Methylnaphthalene	1.67	1.23	73.9		40 - 140
2-Methylphenol	1.67	1.17	70.0		30 - 130
3/4-Methylphenol	1.67	1.21	72.5		30 - 130
Naphthalene	1.67	1.16	69.5		40 - 140
2-Nitroaniline	1.67	1.35	81.3		40 - 140
3-Nitroaniline	1.67	1.17	70.1		30 - 140
4-Nitroaniline	1.67	1.24	74.6		40 - 140
Nitrobenzene	1.67	1.17	70.3		40 - 140
2-Nitrophenol	1.67	1.26	75.6		30 - 130
4-Nitrophenol	1.67	1.49	89.5		30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.67	1.27	76.0		40 - 140
N-Nitrosodi-n-propylamine	1.67	1.16	69.5		40 - 140
Pentachlorophenol	1.67	0.694	41.6		30 - 130
Phenanthrene	1.67	1.20	72.1		40 - 140
Phenol	1.67	1.20	71.7		30 - 130
Pyrene	1.67	1.33	80.0		40 - 140
1,2,4,5-Tetrachlorobenzene	1.67	1.16	69.4		40 - 140
2,4,5-Trichlorophenol	1.67	1.27	76.1		30 - 130
2,4,6-Trichlorophenol	1.67	1.27	76.2		30 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	1.67	1.30	77.8	1.82	30	40 - 140
Benzaldehyde	1.67	0.817	49.0	1.34	20	40 - 140
Biphenyl	1.67	1.17	70.2	3.20	20	40 - 140
Caprolactam	1.67	1.19	71.3	1.02	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B310381	Laboratory ID:	B310381-BSD1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Hexachlorobenzene	1.67	1.19	71.1		0.225	30	40 - 140
Hexachlorobutadiene	1.67	1.06	63.8		3.09	30	40 - 140
Hexachlorocyclopentadiene	1.67	0.412	24.7	*	3.81	30	40 - 140
Hexachloroethane	1.67	0.978	58.7		3.98	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.67	1.48	89.0		1.08	30	40 - 140
Isophorone	1.67	1.18	70.9		1.90	30	40 - 140
2-Methylnaphthalene	1.67	1.20	72.2		2.33	30	40 - 140
2-Methylphenol	1.67	1.16	69.6		0.487	30	30 - 130
3/4-Methylphenol	1.67	1.19	71.1		1.98	30	30 - 130
Naphthalene	1.67	1.12	67.4		3.07	30	40 - 140
2-Nitroaniline	1.67	1.39	83.6		2.81	30	40 - 140
3-Nitroaniline	1.67	1.23	73.9		5.25	30	30 - 140
4-Nitroaniline	1.67	1.26	75.9		1.73	30	40 - 140
Nitrobenzene	1.67	1.15	69.0		1.81	30	40 - 140
2-Nitrophenol	1.67	1.25	74.9		0.877	30	30 - 130
4-Nitrophenol	1.67	1.45	87.1		2.72	50	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.67	1.26	75.5		0.634	30	40 - 140
N-Nitrosodi-n-propylamine	1.67	1.14	68.7		1.22	30	40 - 140
Pentachlorophenol	1.67	0.788	47.3		12.6	30	30 - 130
Phenanthrene	1.67	1.20	71.7		0.612	30	40 - 140
Phenol	1.67	1.17	70.4		1.86	30	30 - 130
Pyrene	1.67	1.32	79.2		0.980	30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.67	1.11	66.9		3.70	30	40 - 140
2,4,5-Trichlorophenol	1.67	1.26	75.6		0.633	30	30 - 130
2,4,6-Trichlorophenol	1.67	1.28	76.7		0.759	30	30 - 130

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV3	Calibration:	2200432
Lab File ID:	C2214320.D	Calibration Date:	05/23/22 15:17
Sequence:	S074473	Injection Date:	05/23/22
Lab Sample ID:	S074473-ICV1	Injection Time:	18:54

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
2,4-Dichlorophenol	A	50.0	55.7	0.3162878	0.3523142		11.4	30	
Diethylphthalate	A	50.0	53.6	1.343884	1.441719		7.3	30	
2,4-Dimethylphenol	A	50.0	53.1	0.3824402	0.4061814		6.2	30	
Dimethylphthalate	A	50.0	54.6	1.372442	1.497209		9.1	30	
4,6-Dinitro-2-methylphenol	L	50.0	53.3	0.1132232	0.1318911		6.6	30	
2,4-Dinitrophenol	L	50.0	50.7	0.1544986	0.1735082		1.4	30	
2,4-Dinitrotoluene	A	50.0	53.5	0.4259949	0.4561909		7.1	30	
2,6-Dinitrotoluene	A	50.0	55.9	0.307862	0.3440972		11.8	30	
Di-n-octylphthalate	A	50.0	55.1	1.452526	1.60176		10.3	30	
Fluoranthene	A	50.0	49.6	1.295596	1.285157		-0.8	30	
Fluorene	A	50.0	52.4	1.486757	1.559449		4.9	30	
Hexachlorobenzene	A	50.0	54.3	0.2412713	0.2620997		8.6	30	
Hexachlorobutadiene	A	50.0	52.3	0.2121411	0.2217091		4.5	30	
Hexachlorocyclopentadiene	A	50.0	58.3	0.3929334	0.4583706		16.7	30	
Hexachloroethane	A	50.0	51.2	0.6713505	0.6875934		2.4	30	
Indeno(1,2,3-cd)pyrene	A	50.0	54.8	0.9382911	1.027795		9.5	30	
Isophorone	A	50.0	56.0	0.7312063	0.8181807		11.9	30	
2-Methylnaphthalene	A	50.0	55.2	0.7282852	0.803684		10.4	30	
2-Methylphenol	A	50.0	53.5	1.439559	1.541264		7.1	30	
3/4-Methylphenol	A	50.0	51.5	1.683945	1.735258		3.0	30	
Naphthalene	A	50.0	52.7	1.148487	1.209495		5.3	30	
2-Nitroaniline	A	50.0	66.7	0.3554072	0.4742906		33.4	30	*
3-Nitroaniline	A	50.0	44.8	0.3356207	0.3007123		-10.4	30	
4-Nitroaniline	A	50.0	52.9	0.3759209	0.3975322		5.7	30	
Nitrobenzene	A	50.0	51.1	0.4166222	0.4259299		2.2	30	
2-Nitrophenol	A	50.0	56.4	0.1975018	0.2228065		12.8	30	
4-Nitrophenol	A	50.0	52.2	0.1771497	0.1849208		4.4	30	
N-Nitrosodiphenylamine/Diphenylamine	A	50.0	56.1	0.6669849	0.7511073		12.6	30	
N-Nitrosodi-n-propylamine	A	50.0	54.4	1.12582	1.224182		8.7	30	
Pentachlorophenol	L	50.0	47.0	0.1740469	0.1637756		-5.9	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV4	Calibration:	2200459
Lab File ID:	D22S166018.D	Calibration Date:	06/15/22 12:04
Sequence:	S074726	Injection Date:	06/15/22
Lab Sample ID:	S074726-ICV1	Injection Time:	19:25

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4,6-Dinitro-2-methylphenol	A	50.0	60.4	0.0909065	0.1097933		20.8	30
2,4-Dinitrophenol	A	50.0	57.2	0.1285165	0.1471584		14.5	30
2,4-Dinitrotoluene	A	50.0	51.6	0.4154896	0.4289246		3.2	30
2,6-Dinitrotoluene	A	50.0	55.4	0.3018524	0.3345759		10.8	30
Di-n-octylphthalate	L	50.0	46.4	1.788286	1.763782		-7.2	30
Fluoranthene	A	50.0	49.9	1.31494	1.312475		-0.2	30
Fluorene	A	50.0	50.4	1.516863	1.5297		0.8	30
Hexachlorobenzene	A	50.0	51.8	0.2848844	0.2949991		3.6	30
Hexachlorobutadiene	A	50.0	49.4	0.2092066	0.2068314		-1.1	30
Hexachlorocyclopentadiene	A	50.0	58.8	0.3753997	0.4413193		17.6	30
Hexachloroethane	A	50.0	49.5	0.6467524	0.6405919		-1.0	30
Indeno(1,2,3-cd)pyrene	A	50.0	53.2	1.005318	1.068784		6.3	30
Isophorone	A	50.0	54.8	0.740473	0.8121497		9.7	30
2-Methylnaphthalene	A	50.0	53.1	0.7238127	0.7687072		6.2	30
2-Methylphenol	A	50.0	53.8	1.396018	1.502738		7.6	30
3/4-Methylphenol	A	50.0	51.8	1.643155	1.701541		3.6	30
Naphthalene	A	50.0	50.8	1.134323	1.151447		1.5	30
2-Nitroaniline	A	50.0	65.0	0.3592266	0.4671217		30.0	30
3-Nitroaniline	A	50.0	43.8	0.3454108	0.3026625		-12.4	30
4-Nitroaniline	A	50.0	52.2	0.3632289	0.379421		4.5	30
Nitrobenzene	A	50.0	51.6	0.4001023	0.4129906		3.2	30
2-Nitrophenol	A	50.0	59.4	0.1796034	0.2132283		18.7	30
4-Nitrophenol	A	50.0	50.4	0.1819499	0.1834325		0.8	30
N-Nitrosodiphenylamine/Diphenylamine	A	50.0	55.2	0.6578379	0.7282902		10.7	30
N-Nitrosodi-n-propylamine	A	50.0	53.8	1.016642	1.094878		7.7	30
Pentachlorophenol	A	50.0	49.2	0.1817192	0.17874		-1.6	30
Phenanthrene	A	50.0	50.9	1.180888	1.202682		1.8	30
Phenol	A	50.0	55.2	2.034941	2.247299		10.4	30
Pyrene	A	50.0	52.6	1.562415	1.645175		5.3	30
1,2,4,5-Tetrachlorobenzene	A	50.0	51.0	0.7247255	0.739713		2.1	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV3	Calibration:	2200432
Lab File ID:	C2216522.D	Calibration Date:	05/23/22 15:17
Sequence:	S072793	Injection Date:	06/14/22
Lab Sample ID:	S072793-CCV1	Injection Time:	16:14

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Dimethylphthalate	A	50.0	48.0	1.372442	1.318999		-3.9	20	
4,6-Dinitro-2-methylphenol	L	50.0	47.5	0.1132232	0.1154902		-5.1	20	
2,4-Dinitrophenol	L	50.0	44.4	0.1544986	0.1475003		-11.2	20	
2,4-Dinitrotoluene	A	50.0	54.6	0.4259949	0.465584		9.3	20	
2,6-Dinitrotoluene	A	50.0	52.8	0.307862	0.3250808		5.6	20	
Di-n-octylphthalate	A	50.0	51.5	1.452526	1.496854		3.1	20	
Fluoranthene	A	50.0	45.0	1.295596	1.166475		-10.0	20	
Fluorene	A	50.0	48.2	1.486757	1.433653		-3.6	20	
Hexachlorobenzene	A	50.0	45.3	0.2412713	0.2187405		-9.3	20	
Hexachlorobutadiene	A	50.0	49.2	0.2121411	0.2087048		-1.6	20	
Hexachlorocyclopentadiene	A	50.0	19.4	0.3929334	0.1521708		-61.3	20	*
Hexachloroethane	A	50.0	47.2	0.6713505	0.6341076		-5.5	20	
Indeno(1,2,3-cd)pyrene	A	50.0	57.0	0.9382911	1.069979		14.0	20	
Isophorone	A	50.0	47.3	0.7312063	0.692034		-5.4	20	
2-Methylnaphthalene	A	50.0	48.5	0.7282852	0.7067439		-3.0	20	
2-Methylphenol	A	50.0	46.3	1.439559	1.33258		-7.4	20	
3/4-Methylphenol	A	100	103	1.683945	1.731449		2.8	20	
Naphthalene	A	50.0	47.4	1.148487	1.089065		-5.2	20	
2-Nitroaniline	A	50.0	52.6	0.3554072	0.3741186		5.3	20	
3-Nitroaniline	A	50.0	49.6	0.3356207	0.3331209		-0.7	20	
4-Nitroaniline	A	50.0	47.4	0.3759209	0.3567139		-5.1	20	
Nitrobenzene	A	50.0	49.0	0.4166222	0.4079345		-2.1	20	
2-Nitrophenol	A	50.0	52.3	0.1975018	0.2067544		4.7	20	
4-Nitrophenol	A	50.0	55.7	0.1771497	0.1972062		11.3	20	
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	38.2	0.6669849	0.5968483		-10.5	20	
N-Nitrosodi-n-propylamine	A	50.0	49.2	1.12582	1.10878		-1.5	20	
Pentachlorophenol	L	50.0	39.2	0.1740469	0.1363363		-21.7	20	*
Phenanthrene	A	50.0	45.3	1.170082	1.060399		-9.4	20	
Phenol	A	50.0	49.1	1.927054	1.894099		-1.7	20	
Pyrene	A	50.0	49.4	1.413405	1.396387		-1.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	GCMSSV3	Calibration:	2200432
Lab File ID:	C2216702.D	Calibration Date:	05/23/22 15:17
Sequence:	S072834	Injection Date:	06/16/22
Lab Sample ID:	S072834-CCV1	Injection Time:	07:22

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
4,6-Dinitro-2-methylphenol	L	50.0	54.5	0.1132232	0.1352733		9.0	20	
2,4-Dinitrophenol	L	50.0	46.9	0.1544986	0.1579736		-6.1	20	
2,4-Dinitrotoluene	A	50.0	56.6	0.4259949	0.4821272		13.2	20	
2,6-Dinitrotoluene	A	50.0	53.7	0.307862	0.3309107		7.5	20	
Di-n-octylphthalate	A	50.0	49.9	1.452526	1.450795		-0.1	20	
Fluoranthene	A	50.0	51.2	1.295596	1.325362		2.3	20	
Fluorene	A	50.0	48.0	1.486757	1.428305		-3.9	20	
Hexachlorobenzene	A	50.0	47.9	0.2412713	0.231005		-4.3	20	
Hexachlorobutadiene	A	50.0	47.1	0.2121411	0.1998682		-5.8	20	
Hexachlorocyclopentadiene	A	50.0	17.9	0.3929334	0.1408151		-64.2	20	*
Hexachloroethane	A	50.0	46.1	0.6713505	0.6192215		-7.8	20	
Indeno(1,2,3-cd)pyrene	A	50.0	54.2	0.9382911	1.016325		8.3	20	
Isophorone	A	50.0	46.4	0.7312063	0.6780925		-7.3	20	
2-Methylnaphthalene	A	50.0	47.3	0.7282852	0.6891846		-5.4	20	
2-Methylphenol	A	50.0	45.5	1.439559	1.310656		-9.0	20	
3/4-Methylphenol	A	100	103	1.683945	1.742703		3.5	20	
Naphthalene	A	50.0	47.1	1.148487	1.081753		-5.8	20	
2-Nitroaniline	A	50.0	53.9	0.3554072	0.3832281		7.8	20	
3-Nitroaniline	A	50.0	51.4	0.3356207	0.3453429		2.9	20	
4-Nitroaniline	A	50.0	47.6	0.3759209	0.3580702		-4.7	20	
Nitrobenzene	A	50.0	50.0	0.4166222	0.4167314		0.03	20	
2-Nitrophenol	A	50.0	51.9	0.1975018	0.2049967		3.8	20	
4-Nitrophenol	A	50.0	59.0	0.1771497	0.2091521		18.1	20	
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	43.1	0.6669849	0.6734655		1.0	20	
N-Nitrosodi-n-propylamine	A	50.0	48.5	1.12582	1.092366		-3.0	20	
Pentachlorophenol	L	50.0	40.9	0.1740469	0.1424791		-18.1	20	
Phenanthrene	A	50.0	48.9	1.170082	1.144484		-2.2	20	
Phenol	A	50.0	50.1	1.927054	1.931691		0.2	20	
Pyrene	A	50.0	48.5	1.413405	1.370188		-3.1	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	45.0	0.661433	0.5952307		-10.0	20	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifl		Project:	Queensbury Landfill - CO 141573	
Matrix:	Water	Laboratory ID:	B310287-BLK1	File ID:	C2216530.D
Sampled:		Prepared:	06/09/22 07:16	Analyzed:	06/14/22 19:40
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B310287	Sequence:	S072793	Calibration:	2200432
Instrument:	GCMSSV3				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
85-01-8	Phenanthrene		0.48	5.0	
108-95-2	Phenol		0.23	10	
129-00-0	Pyrene		0.61	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.65	10	
95-95-4	2,4,5-Trichlorophenol		0.51	10	
88-06-2	2,4,6-Trichlorophenol		0.45	10	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (µg/L)	Q
791-28-6	Triphenylphosphine oxide	12	B

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifl		Project:	Queensbury Landfill - CO 141573	
Matrix:	Soil	Laboratory ID:	B310381-BLK1	File ID:	C2216533.D
Sampled:		Prepared:	06/09/22 16:40	Analyzed:	06/14/22 20:56
Solids:		Preparation:	SW-846 3546	Dilution:	
Batch:	B310381	Sequence:	S072793	Calibration:	2200432
Instrument:	GCMSSV3				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
85-01-8	Phenanthrene		0.069	0.17	
108-95-2	Phenol		0.075	0.34	
129-00-0	Pyrene		0.066	0.17	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.067	0.34	
95-95-4	2,4,5-Trichlorophenol		0.065	0.34	
88-06-2	2,4,6-Trichlorophenol		0.065	0.34	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (mg/Kg wet)	Q
003074-71-3	Heptane, 2,3-dimethyl-	0.81	
002213-23-2	Heptane, 2,4-dimethyl-	0.35	
002216-30-0	Heptane, 2,5-dimethyl-	1.2	B
001069-53-0	Hexane, 2,3,5-trimethyl-	0.21	
791-28-6	Triphenylphosphine oxide	0.35	B

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Pa	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Instrument:	GCMSSV6

	1,4-Dioxane-d8
22F0251-05	18.6
22F0251-07	21.5
22F0251-08	18.3
B310176-BLK1	24.4
B310176-BS1	21.7
B310176-BSD1	24.0
B310176-MS1	21.4
B310176-MSD1	14.0*

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SOP-454 PFAS
Batch:	B310316	Preparation:	SOP 454-PFAAS
% Solids:		Laboratory ID:	B310316-MS1
Initial/Final:	266.58 mL / 1 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC.		QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	9.38	1.44	13.8	132	*	73 - 129
Perfluorobutanesulfonic acid (PFBS)	8.30	0.331	8.85	103		72 - 130
Perfluoropentanoic acid (PFPeA)	9.38	1.11	10.7	102		72 - 129
Perfluorohexanoic acid (PFHxA)	9.38	0.790	10.2	101		72 - 129
11Cl-PF3OUdS (F53B Major)	8.83	ND	6.19	70.0		50 - 150
9Cl-PF3ONS (F53B Minor)	8.74	ND	8.69	99.5		50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.83	ND	7.71	87.3		50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.38	ND	7.23	77.1		50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	9.00	ND	7.51	83.4		67 - 138
Perfluorodecanoic acid (PFDA)	9.38	ND	9.32	99.4		71 - 129
Perfluorododecanoic acid (PFDoA)	9.38	ND	8.20	87.5		72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.35	ND	8.38	100		50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	8.96	ND	10.5	118		69 - 134
N-EtFOSAA	9.38	ND	12.8	137	*	61 - 135
N-MeFOSAA	9.38	ND	9.34	99.6		65 - 136
Perfluorotetradecanoic acid (PFTA)	9.38	ND	8.37	89.2		71 - 132
Perfluorotridecanoic acid (PFTrDA)	9.38	ND	11.9	127		65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.77	ND	8.63	98.4		63 - 143
Perfluorodecanesulfonic acid (PFDS)	9.05	ND	3.92	43.3	*	53 - 142
Perfluorooctanesulfonamide (FOSA)	9.38	ND	10.2	109		67 - 137
Perfluorononanesulfonic acid (PFNS)	9.00	ND	7.10	78.9		69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	9.38	ND	10.5	112		50 - 150

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SOP-454 PFAS
Batch:	B310316	Preparation:	SOP 454-PFAAS
% Solids:		Laboratory ID:	B310316-MSD1
Initial/Final:	269.69 mL / 1 mL	Sample Lab ID:	22F0251-05
Column:			

ANALYTE	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	9.27	13.0	125		5.99	30	73 - 129
Perfluorobutanesulfonic acid (PFBS)	8.20	7.79	91.0		12.8	30	72 - 130
Perfluoropentanoic acid (PFPeA)	9.27	9.11	86.3		16.0	30	72 - 129
Perfluorohexanoic acid (PFHxA)	9.27	9.66	95.7		5.84	30	72 - 129
11Cl-PF3OUdS (F53B Major)	8.73	5.10	58.5		19.2	30	50 - 150
9Cl-PF3ONS (F53B Minor)	8.64	8.06	93.3		7.57	30	50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.73	7.09	81.2		8.37	30	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.27	6.07	65.5		17.4	30	50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.90	7.32	82.3		2.47	30	67 - 138
Perfluorodecanoic acid (PFDA)	9.27	8.53	92.0		8.89	30	71 - 129
Perfluorododecanoic acid (PFDoA)	9.27	6.94	74.8		16.7	30	72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.25	7.66	92.9		8.90	30	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	8.85	10.3	116		2.37	30	69 - 134
N-EtFOSAA	9.27	10.3	111		21.9	30	61 - 135
N-MeFOSAA	9.27	9.52	103		1.81	30	65 - 136
Perfluorotetradecanoic acid (PFTA)	9.27	7.19	77.6		15.1	30	71 - 132
Perfluorotridecanoic acid (PFTrDA)	9.27	12.8	138		7.47	30	65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.67	7.73	89.2		11.0	30	63 - 143
Perfluorodecanesulfonic acid (PFDS)	8.95	3.08	34.5	*	23.9	30	53 - 142
Perfluorooctanesulfonamide (FOSA)	9.27	8.75	94.4		15.7	30	67 - 137
Perfluorononanesulfonic acid (PFNS)	8.90	5.98	67.2	*	17.2	30	69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	9.27	9.77	105		7.36	30	50 - 150

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SOP 454-PFAAS
Batch:	B310316	Laboratory ID:	B310316-BS1
Column:		Initial/Final:	267.8 mL / 1 mL

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	9.34	9.16	98.2	73 - 129
Perfluorobutanesulfonic acid (PFBS)	8.26	8.11	98.2	72 - 130
Perfluoropentanoic acid (PFPeA)	9.34	9.17	98.3	72 - 129
Perfluorohexanoic acid (PFHxA)	9.34	9.38	101	72 - 129
11Cl-PF3OUdS (F53B Major)	8.79	8.49	96.5	50 - 150
9Cl-PF3ONS (F53B Minor)	8.70	9.03	104	50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.79	8.39	95.4	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.34	7.55	80.9	50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.96	8.19	91.4	67 - 138
Perfluorodecanoic acid (PFDA)	9.34	8.67	92.8	71 - 129
Perfluorododecanoic acid (PFDoA)	9.34	7.27	77.9	72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.31	8.38	101	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	8.92	10.6	118	69 - 134
N-EtFOSAA	9.34	12.5	134	61 - 135
N-MeFOSAA	9.34	9.21	98.6	65 - 136
Perfluorotetradecanoic acid (PFTA)	9.34	7.45	79.8	71 - 132
Perfluorotridecanoic acid (PFTrDA)	9.34	8.35	89.5	65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.73	8.80	101	63 - 143
Perfluorodecanesulfonic acid (PFDS)	9.01	6.86	76.1	53 - 142
Perfluorooctanesulfonamide (FOSA)	9.34	10.1	109	67 - 137
Perfluorononanesulfonic acid (PFNS)	8.96	7.33	81.7	69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	9.34	10.8	116	50 - 150
Perfluoro-1-butanesulfonamide (FBSA)	9.34	9.54	102	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	8.54	8.75	102	68 - 131
Perfluoro-4-oxapentanoic acid (PFMPA)	9.34	9.20	98.6	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	9.34	8.81	94.4	50 - 150
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.87	9.42	106	64 - 140
Perfluoropetanesulfonic acid (PFPeS)	8.78	9.43	107	71 - 127
Perfluoroundecanoic acid (PFUnA)	9.34	8.92	95.6	69 - 133
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.34	10.2	109	50 - 150
Perfluoroheptanoic acid (PFHpA)	9.34	7.96	85.3	72 - 130
Perfluorooctanoic acid (PFOA)	9.34	8.56	91.7	71 - 133
Perfluorooctanesulfonic acid (PFOS)	8.64	8.95	104	65 - 140
Perfluorononanoic acid (PFNA)	9.34	8.33	89.2	69 - 130

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SOP-466 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	QQQ4	Calibration:	2200377
Lab File ID:	CCV1070222R.d	Calibration Date:	07/02/22 00:00
Sequence:	S073944	Injection Date:	07/02/22
Lab Sample ID:	S073944-CCV2	Injection Time:	14:37

		CONC. (ng/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Perfluorobutanoic acid (PFBA)	A	500	545	0.9512774	0.9644345		9.1	30	
Perfluorobutanesulfonic acid (PFBS)	A	444	483	1.113849	1.13115		8.8	30	
Perfluoropentanoic acid (PFPeA)	A	500	544	1.022822	1.034068		8.8	30	
Perfluorohexanoic acid (PFHxA)	A	500	561	0.8882056	0.9145947		12.2	30	
11Cl-PF3OUdS (F53B Major)	A	472	563	1.451595	1.500425		19.3	30	
9Cl-PF3ONS (F53B Minor)	A	466	579	4.034701	4.51709		24.2	30	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	A	472	399	1.787599	1.699932		-15.5	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	A	500	519	0.170259	0.1812742		3.7	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	A	480	468	0.9192503	0.9637732		-2.5	30	
Perfluorodecanoic acid (PFDA)	A	500	501	0.9988381	0.898228		0.1	30	
Perfluorododecanoic acid (PFDoA)	A	500	505	1.106899	1.137511		0.9	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	445	429	4.577704	4.180828		-3.6	30	
Perfluoroheptanesulfonic acid (PFHpS)	A	476	568	0.7858258	0.8285361		19.3	30	
N-EtFOSAA	A	500	463	0.9255168	0.7966875		-7.3	30	
N-MeFOSAA	A	500	493	0.8673169	0.8882546		-1.4	30	
Perfluorotetradecanoic acid (PFTA)	A	500	453	0.9813743	0.9702969		-9.3	30	
Perfluorotridecanoic acid (PFTrDA)	A	500	454	1.088045	1.033307		-9.1	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	A	468	474	1.145834	1.237499		1.3	30	
Perfluorodecanesulfonic acid (PFDS)	A	482	495	0.646991	0.6833772		2.7	30	
Perfluorooctanesulfonamide (FOSA)	A	500	473	1.057096	0.8891839		-5.4	30	
Perfluorononanesulfonic acid (PFNS)	A	481	497	0.3223936	0.3318819		3.3	30	
Perfluoro-1-hexanesulfonamide (FHxSA)	A	500	657	0.4604668	0.4985339		31.4	30	*

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CONTINUING CALIBRATION VERIFICATION

SOP-466 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	QQQ4	Calibration:	2200377
Lab File ID:	CCV3070222.d	Calibration Date:	07/02/22 00:00
Sequence:	S073944	Injection Date:	07/02/22
Lab Sample ID:	S073944-CCV4	Injection Time:	18:00

		CONC. (ng/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Perfluorobutanoic acid (PFBA)	A	2500	2350	0.9512774	0.8393371		-6.1	30	
Perfluorobutanesulfonic acid (PFBS)	A	2220	2280	1.113849	1.078719		2.9	30	
Perfluoropentanoic acid (PFPeA)	A	2500	2590	1.022822	0.9952323		3.6	30	
Perfluorohexanoic acid (PFHxA)	A	2500	2570	0.8882056	0.8489307		2.9	30	
11Cl-PF3OUdS (F53B Major)	A	2360	2710	1.451595	1.471678		14.7	30	
9Cl-PF3ONS (F53B Minor)	A	2330	2690	4.034701	4.252402		15.3	30	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	A	2360	1990	1.787599	1.685662		-15.8	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	A	2500	2470	0.170259	0.1724746		-1.3	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	A	2400	2280	0.9192503	0.9293423		-4.9	30	
Perfluorodecanoic acid (PFDA)	A	2500	2770	0.9988381	1.010133		10.9	30	
Perfluorododecanoic acid (PFDoA)	A	2500	2280	1.106899	1.028408		-8.9	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	2220	2050	4.577704	4.082646		-7.5	30	
Perfluoroheptanesulfonic acid (PFHpS)	A	2380	3010	0.7858258	0.8903568		26.6	30	
N-EtFOSAA	A	2500	2400	0.9255168	0.8344129		-3.8	30	
N-MeFOSAA	A	2500	2450	0.8673169	0.8838349		-1.8	30	
Perfluorotetradecanoic acid (PFTA)	A	2500	2000	0.9813743	0.8553153		-19.9	30	
Perfluorotridecanoic acid (PFTrDA)	A	2500	2120	1.088045	0.9615858		-15.3	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	A	2340	2390	1.145834	1.235382		2.2	30	
Perfluorodecanesulfonic acid (PFDS)	A	2410	2090	0.646991	0.5777518		-13.2	30	
Perfluorooctanesulfonamide (FOSA)	A	2500	3280	1.057096	1.262565		31.3	30	*
Perfluorononanesulfonic acid (PFNS)	A	2400	2790	0.3223936	0.3728443		16.1	30	
Perfluoro-1-hexanesulfonamide (FHxSA)	A	2500	2880	0.4604668	0.451527		15.3	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	QQQ4	Calibration:	2200373
Lab File ID:	CCVZ070222.d	Calibration Date:	07/02/22 00:00
Sequence:	S073682	Injection Date:	07/03/22
Lab Sample ID:	S073682-CCV2	Injection Time:	00:29

		CONC. (ng/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Perfluorobutanoic acid (PFBA)	A	500	515	0.9512774	0.9096863		2.9	30	
Perfluorobutanesulfonic acid (PFBS)	A	444	488	1.113849	1.14288		10.0	30	
Perfluoropentanoic acid (PFPeA)	A	500	559	1.022822	1.061508		11.7	30	
Perfluorohexanoic acid (PFHxA)	A	500	560	0.8882056	0.9123162		11.9	30	
11Cl-PF3OUdS (F53B Major)	A	472	611	1.451595	1.629121		29.5	30	
9Cl-PF3ONS (F53B Minor)	A	466	531	4.034701	4.142628		13.9	30	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	A	472	412	1.787599	1.756844		-12.6	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	A	500	517	0.170259	0.1806449		3.3	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	A	480	666	0.9192503	1.369205		38.6	30	*
Perfluorodecanoic acid (PFDA)	A	500	561	0.9988381	1.006916		12.2	30	
Perfluorododecanoic acid (PFDoA)	A	500	487	1.106899	1.097425		-2.6	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	445	415	4.577704	4.04191		-6.8	30	
Perfluoroheptanesulfonic acid (PFHpS)	A	476	544	0.7858258	0.7935165		14.3	30	
N-EtFOSAA	A	500	447	0.9255168	0.7684229		-10.6	30	
N-MeFOSAA	A	500	501	0.8673169	0.9013969		0.1	30	
Perfluorotetradecanoic acid (PFTA)	A	500	464	0.9813743	0.9932113		-7.2	30	
Perfluorotridecanoic acid (PFTrDA)	A	500	483	1.088045	1.097747		-3.5	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	A	468	484	1.145834	1.264298		3.5	30	
Perfluorodecanesulfonic acid (PFDS)	A	482	457	0.646991	0.6315839		-5.1	30	
Perfluorooctanesulfonamide (FOSA)	A	500	568	1.057096	1.068206		13.5	30	
Perfluorononanesulfonic acid (PFNS)	A	481	533	0.3223936	0.3557519		10.7	30	
Perfluoro-1-hexanesulfonamide (FHxSA)	A	500	597	0.4604668	0.4526734		19.4	30	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S073682	Instrument:	QQQ4
		Calibration:	2200373

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B310316-MS1)			*Lab File ID: B310316-MS1.d*			*Analyzed: 07/03/22 04:28*			
M8FOSA	214660.7	4.028533	719310	4.028533	30	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	195558.7	2.595367	324885	2.595367	60	50 - 150	0.0000	+/-0.50	
M2PFTA	361092.3	4.386533	1820443	4.386533	20	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	134811.4	3.850917	275648	3.850917	49	50 - 150	0.0000	+/-0.50	*
MPFBA	742045.6	1.0917	1140708	1.0917	65	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	237782.8	2.921133	218181	2.921133	109	50 - 150	0.0000	+/-0.50	
M6PFDA	876481.6	3.851417	1429863	3.84345	61	50 - 150	0.0080	+/-0.50	
M3PFBS	248682.7	1.969733	291823	1.978033	85	50 - 150	-0.0083	+/-0.50	
M7PFUnA	614699.6	4.001983	1395257	3.993983	44	50 - 150	0.0080	+/-0.50	*
M2-6:2FTS	169875.3	3.48535	252302	3.48535	67	50 - 150	0.0000	+/-0.50	
M5PFPeA	739591.9	1.7826	931986	1.7826	79	50 - 150	0.0000	+/-0.50	
M5PFHxA	1228602	2.68875	1568382	2.680533	78	50 - 150	0.0082	+/-0.50	
M3PFHxS	212979.9	3.266833	316385	3.266833	67	50 - 150	0.0000	+/-0.50	
M4PFHpA	1394882	3.2357	1900115	3.2357	73	50 - 150	0.0000	+/-0.50	
M8PFOA	1258098	3.50185	1881689	3.50185	67	50 - 150	0.0000	+/-0.50	
M8PFOS	185810.3	3.684083	274954	3.684083	68	50 - 150	0.0000	+/-0.50	
M9PFNA	941013.3	3.693117	1709293	3.693117	55	50 - 150	0.0000	+/-0.50	
MPFDoA	537502.4	4.136817	1244808	4.136817	43	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	212530.8	4.00945	364115	4.001467	58	50 - 150	0.0080	+/-0.50	
d3-NMeFOSAA	294346.7	3.921883	451840	3.921883	65	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S073682	Instrument:	QQQ4
		Calibration:	2200373

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (B310316-MSD1)			*Lab File ID: B310316-MSD1.d*			*Analyzed: 07/03/22 04:35*			
M8FOSA	180840.3	4.028533	719310	4.028533	25	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	179938.8	2.595367	324885	2.595367	55	50 - 150	0.0000	+/-0.50	
M2PFTA	166670.3	4.386533	1820443	4.386533	09	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	98958.14	3.850917	275648	3.850917	36	50 - 150	0.0000	+/-0.50	*
MPFBA	719366	1.0917	1140708	1.0917	63	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	226226.6	2.921133	218181	2.921133	104	50 - 150	0.0000	+/-0.50	
M6PFDA	676591.9	3.843467	1429863	3.84345	47	50 - 150	0.0000	+/-0.50	*
M3PFBS	236841	1.969733	291823	1.978033	81	50 - 150	-0.0083	+/-0.50	
M7PFUnA	440159.2	4.001983	1395257	3.993983	32	50 - 150	0.0080	+/-0.50	*
M2-6:2FTS	163491.3	3.493333	252302	3.48535	65	50 - 150	0.0080	+/-0.50	
M5PFPeA	714171.5	1.7826	931986	1.7826	77	50 - 150	0.0000	+/-0.50	
M5PFHxA	1126390	2.680533	1568382	2.680533	72	50 - 150	0.0000	+/-0.50	
M3PFHxS	202591.8	3.266833	316385	3.266833	64	50 - 150	0.0000	+/-0.50	
M4PFHpA	1338085	3.2357	1900115	3.2357	70	50 - 150	0.0000	+/-0.50	
M8PFOA	1110213	3.50185	1881689	3.50185	59	50 - 150	0.0000	+/-0.50	
M8PFOS	150850.6	3.684083	274954	3.684083	55	50 - 150	0.0000	+/-0.50	
M9PFNA	754256.8	3.693117	1709293	3.693117	44	50 - 150	0.0000	+/-0.50	*
MPFDoA	352854.3	4.144834	1244808	4.136817	28	50 - 150	0.0080	+/-0.50	*
d5-NEtFOSAA	175112.9	4.00945	364115	4.001467	48	50 - 150	0.0080	+/-0.50	*
d3-NMeFOSAA	207004.4	3.921883	451840	3.921883	46	50 - 150	0.0000	+/-0.50	*

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S073682	Instrument:	QQQ4
		Calibration:	2200373

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-MPND-WS-101 (22F0251-05)			*Lab File ID: 22F0251-05.d*			*Analyzed: 07/03/22 05:47*			
M8FOSA	238905.7	4.028533	719310	4.028533	33	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	175784.3	2.595367	324885	2.595367	54	50 - 150	0.0000	+/-0.50	
M2PFTA	501229.4	4.386533	1820443	4.386533	28	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	115168.5	3.850917	275648	3.850917	42	50 - 150	0.0000	+/-0.50	*
MPFBA	733946.9	1.0917	1140708	1.0917	64	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	239201.5	2.921133	218181	2.921133	110	50 - 150	0.0000	+/-0.50	
M6PFDA	783796.5	3.843467	1429863	3.84345	55	50 - 150	0.0000	+/-0.50	
M3PFBS	253363.2	1.969733	291823	1.978033	87	50 - 150	-0.0083	+/-0.50	
M7PFUnA	699814.8	4.001983	1395257	3.993983	50	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	167544.6	3.493333	252302	3.48535	66	50 - 150	0.0080	+/-0.50	
M5PFPeA	748902.7	1.7826	931986	1.7826	80	50 - 150	0.0000	+/-0.50	
M5PFHxA	1210970	2.680533	1568382	2.680533	77	50 - 150	0.0000	+/-0.50	
M3PFHxS	219634.2	3.266833	316385	3.266833	69	50 - 150	0.0000	+/-0.50	
M4PFHpA	1414312	3.2357	1900115	3.2357	74	50 - 150	0.0000	+/-0.50	
M8PFOA	1307069	3.50185	1881689	3.50185	69	50 - 150	0.0000	+/-0.50	
M8PFOS	184452.5	3.6841	274954	3.684083	67	50 - 150	0.0000	+/-0.50	
M9PFNA	939756.4	3.693117	1709293	3.693117	55	50 - 150	0.0000	+/-0.50	
MPFDoA	648894.9	4.136817	1244808	4.136817	52	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	251629.7	4.00945	364115	4.001467	69	50 - 150	0.0080	+/-0.50	
d3-NMeFOSAA	267761.1	3.921883	451840	3.921883	59	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S073682	Instrument:	QQQ4
		Calibration:	2200373

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-MPND-WS-102 (22F0251-06)			*Lab File ID: 22F0251-06.d*			*Analyzed: 07/03/22 06:01*			
M8FOSA	163996.4	4.028533	719310	4.028533	23	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	167596.1	2.595367	324885	2.595367	52	50 - 150	0.0000	+/-0.50	
M2PFTA	572495.1	4.386533	1820443	4.386533	31	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	118631.7	3.850917	275648	3.850917	43	50 - 150	0.0000	+/-0.50	*
MPFBA	646909.9	1.0917	1140708	1.0917	57	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	205691.7	2.921133	218181	2.91295	94	50 - 150	0.0082	+/-0.50	
M6PFDA	770816.3	3.851417	1429863	3.84345	54	50 - 150	0.0080	+/-0.50	
M3PFBS	221472.1	1.969733	291823	1.978033	76	50 - 150	-0.0083	+/-0.50	
M7PFUnA	675788.5	4.001983	1395257	4.001983	48	50 - 150	0.0000	+/-0.50	*
M2-6:2FTS	135636.2	3.493333	252302	3.48535	54	50 - 150	0.0080	+/-0.50	
M5PFPeA	651279.8	1.7826	931986	1.7826	70	50 - 150	0.0000	+/-0.50	
M5PFHxA	1085942	2.680533	1568382	2.680533	69	50 - 150	0.0000	+/-0.50	
M3PFHxS	190773.3	3.266833	316385	3.266833	60	50 - 150	0.0000	+/-0.50	
M4PFHpA	1225302	3.2357	1900115	3.2357	64	50 - 150	0.0000	+/-0.50	
M8PFOA	1145089	3.50185	1881689	3.50185	61	50 - 150	0.0000	+/-0.50	
M8PFOS	152328.5	3.684083	274954	3.684083	55	50 - 150	0.0000	+/-0.50	
M9PFNA	878434.8	3.693117	1709293	3.693117	51	50 - 150	0.0000	+/-0.50	
MPFDoA	624510.2	4.136817	1244808	4.136817	50	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	231299.4	4.001467	364115	4.001467	64	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	262073	3.929883	451840	3.921883	58	50 - 150	0.0080	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S073682	Instrument:	QQQ4
		Calibration:	2200373

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-MPND-WS-103 (22F0251-07)			*Lab File ID: 22F0251-07.d*			*Analyzed: 07/03/22 06:08*			
M8FOSA	229303.3	4.028533	719310	4.028533	32	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	162179.1	2.595367	324885	2.595367	50	50 - 150	0.0000	+/-0.50	
M2PFTA	226103.8	4.386533	1820443	4.386533	12	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	95604.66	3.850917	275648	3.850917	35	50 - 150	0.0000	+/-0.50	*
MPFBA	675897.3	1.0917	1140708	1.0917	59	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	188355.3	2.921133	218181	2.91295	86	50 - 150	0.0082	+/-0.50	
M6PFDA	741773.3	3.851417	1429863	3.84345	52	50 - 150	0.0080	+/-0.50	
M3PFBS	231940.4	1.969733	291823	1.978033	79	50 - 150	-0.0083	+/-0.50	
M7PFUnA	617541.1	4.001983	1395257	4.001983	44	50 - 150	0.0000	+/-0.50	*
M2-6:2FTS	168295	3.493333	252302	3.48535	67	50 - 150	0.0080	+/-0.50	
M5PFPeA	680356.5	1.7826	931986	1.7826	73	50 - 150	0.0000	+/-0.50	
M5PFHxA	1107841	2.680533	1568382	2.680533	71	50 - 150	0.0000	+/-0.50	
M3PFHxS	193040.5	3.266833	316385	3.266833	61	50 - 150	0.0000	+/-0.50	
M4PFHpA	1303214	3.2357	1900115	3.2357	69	50 - 150	0.0000	+/-0.50	
M8PFOA	1176987	3.50185	1881689	3.50185	63	50 - 150	0.0000	+/-0.50	
M8PFOS	170138.2	3.684083	274954	3.684083	62	50 - 150	0.0000	+/-0.50	
M9PFNA	813731.8	3.693117	1709293	3.693117	48	50 - 150	0.0000	+/-0.50	*
MPFDoA	395515.7	4.136817	1244808	4.136817	32	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	209250.7	4.001467	364115	4.001467	57	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	227703	3.921883	451840	3.921883	50	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton P	Project:	Queensbury Landfill - CO 141573
Sequence:	S073682	Instrument:	QQQ4
		Calibration:	2200373

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
QNSB-MPND-WS-DUP-01 (22F0251-08)			*Lab File ID: 22F0251-08.d*			*Analyzed: 07/03/22 06:15*			
M8FOSA	325520.9	4.028533	719310	4.028533	45	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	214787.9	2.595367	324885	2.595367	66	50 - 150	0.0000	+/-0.50	
M2PFTA	557227.3	4.386533	1820443	4.386533	31	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	124504.1	3.850917	275648	3.850917	45	50 - 150	0.0000	+/-0.50	*
MPFBA	708808.1	1.0917	1140708	1.0917	62	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	223469.6	2.921133	218181	2.91295	102	50 - 150	0.0082	+/-0.50	
M6PFDA	794905.3	3.851417	1429863	3.84345	56	50 - 150	0.0080	+/-0.50	
M3PFBS	235367.6	1.969733	291823	1.978033	81	50 - 150	-0.0083	+/-0.50	
M7PFUnA	864064.3	4.001983	1395257	4.001983	62	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	183934.3	3.493333	252302	3.48535	73	50 - 150	0.0080	+/-0.50	
M5PFPeA	722978.7	1.7826	931986	1.7826	78	50 - 150	0.0000	+/-0.50	
M5PFHxA	1180273	2.680533	1568382	2.680533	75	50 - 150	0.0000	+/-0.50	
M3PFHxS	224827.2	3.266833	316385	3.266833	71	50 - 150	0.0000	+/-0.50	
M4PFHpA	1352883	3.2357	1900115	3.2357	71	50 - 150	0.0000	+/-0.50	
M8PFOA	1273169	3.50185	1881689	3.50185	68	50 - 150	0.0000	+/-0.50	
M8PFOS	184468	3.684083	274954	3.684083	67	50 - 150	0.0000	+/-0.50	
M9PFNA	931828	3.693117	1709293	3.693117	55	50 - 150	0.0000	+/-0.50	
MPFDoA	687052.2	4.144834	1244808	4.136817	55	50 - 150	0.0080	+/-0.50	
d5-NEtFOSAA	254965.9	4.001467	364115	4.001467	70	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	309809.7	3.921883	451840	3.921883	69	50 - 150	0.0000	+/-0.50	

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8081B

Laboratory:	Pace New England	SDG:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Pa	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Instrument:	ECD2

	DCB 1 (30% - 150%)	DCB 2 (30% - 150%)	TCX 1 (30% - 150%)	TCX 2 (30% - 150%)
22F0251-05	55.4	51.0	33.0	31.7
22F0251-08	55.9	51.5	36.1	34.6
B310282-BLK1	76.8	70.1	64.2	59.4
B310282-BS1	71.8	66.2	57.6	54.7
B310282-BSD1	77.3	70.7	59.9	56.0
B310282-MS1	50.0	45.8	30.5	28.3*
B310282-MSD1	52.2	48.0	38.2	35.4

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8081B
Batch:	B310282	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B310282-MS1
Initial/Final:	940 mL / 10 mL	Sample Lab ID:	22F0251-05
Column:	2		

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
Aldrin [2C]	1.06	ND	0.43	40.7	30 - 150
alpha-BHC [2C]	1.06	ND	0.45	41.9	30 - 150
beta-BHC [2C]	1.06	ND	0.50	47.2	30 - 150
delta-BHC [2C]	1.06	ND	0.46	43.7	30 - 150
gamma-BHC (Lindane) [2C]	1.06	ND	0.48	44.9	30 - 150
4,4'-DDD [2C]	1.06	ND	0.59	55.7	30 - 150
4,4'-DDE [2C]	1.06	ND	0.56	52.3	30 - 150
4,4'-DDT [2C]	1.06	ND	0.56	52.9	30 - 150
Dieldrin [2C]	1.06	ND	0.55	51.3	30 - 150
Endosulfan I [2C]	1.06	ND	0.51	48.4	30 - 150
Endosulfan II [2C]	1.06	ND	0.52	48.4	30 - 150
Endosulfan Sulfate [2C]	1.06	ND	0.54	50.3	30 - 150
Endrin [2C]	1.06	ND	0.53	49.8	30 - 150
Endrin Aldehyde [2C]	1.06	ND	0.49	46.1	30 - 150
Endrin Ketone [2C]	1.06	ND	0.54	50.6	30 - 150
Heptachlor [2C]	1.06	ND	0.47	44.0	30 - 150
Heptachlor Epoxide [2C]	1.06	ND	0.52	48.8	30 - 150
Methoxychlor [2C]	1.06	ND	0.54	50.9	30 - 150

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-WS-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Analysis:	SW-846 8081B
Batch:	B310282	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B310282-MSD1
Initial/Final:	920 mL / 10 mL	Sample Lab ID:	22F0251-05
Column:	2		

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Aldrin [2C]	1.09	0.52	47.8	18.2	30	30 - 150
alpha-BHC [2C]	1.09	0.51	46.5	12.5	30	30 - 150
beta-BHC [2C]	1.09	0.55	50.3	8.59	30	30 - 150
delta-BHC [2C]	1.09	0.51	47.2	9.84	30	30 - 150
gamma-BHC (Lindane) [2C]	1.09	0.53	48.7	10.1	30	30 - 150
4,4'-DDD [2C]	1.09	0.64	58.6	7.30	30	30 - 150
4,4'-DDE [2C]	1.09	0.60	55.3	7.76	30	30 - 150
4,4'-DDT [2C]	1.09	0.61	55.9	7.62	30	30 - 150
Dieldrin [2C]	1.09	0.61	56.5	11.8	30	30 - 150
Endosulfan I [2C]	1.09	0.58	53.4	12.1	30	30 - 150
Endosulfan II [2C]	1.09	0.57	52.6	10.5	30	30 - 150
Endosulfan Sulfate [2C]	1.09	0.59	53.8	8.90	30	30 - 150
Endrin [2C]	1.09	0.60	55.2	12.3	30	30 - 150
Endrin Aldehyde [2C]	1.09	0.54	49.6	9.54	30	30 - 150
Endrin Ketone [2C]	1.09	0.58	53.4	7.61	30	30 - 150
Heptachlor [2C]	1.09	0.55	50.6	16.1	30	30 - 150
Heptachlor Epoxide [2C]	1.09	0.58	53.3	10.9	30	30 - 150
Methoxychlor [2C]	1.09	0.59	54.0	7.97	30	30 - 150

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike 2456

Lab Sample ID: B310136-MS2 Date(s) Analyzed: 06/18/2022 06/18/2022

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.970	6.942	7.002	0.38	
	2	6.989	6.959	7.019	0.34	11.1
4,4'-DDE	1	6.545	6.517	6.577	0.36	
	2	6.571	6.542	6.602	0.32	11.8
4,4'-DDT	1	7.176	7.149	7.209	0.31	
	2	7.220	7.191	7.251	0.24	25.5
Alachlor	1	6.005	5.977	6.037	0.35	
	2	5.791	5.762	5.822	0.27	25.8
Aldrin	1	5.908	5.881	5.941	0.34	
	2	5.841	5.813	5.873	0.29	15.9
alpha-BHC	1	5.244	5.216	5.276	0.38	
	2	5.191	5.161	5.221	0.30	23.5
beta-BHC	1	5.482	5.454	5.514	0.44	
	2	5.443	5.414	5.474	0.39	12.0
delta-BHC	1	5.588	5.561	5.621	0.30	
	2	5.616	5.587	5.647	0.31	3.3
Dieldrin	1	6.745	6.717	6.777	0.34	
	2	6.666	6.637	6.697	0.30	12.5
Endosulfan I	1	6.577	6.549	6.609	0.36	
	2	6.474	6.445	6.505	0.33	8.7
Endosulfan II	1	7.072	7.046	7.106	0.36	
	2	7.041	7.012	7.072	0.31	14.9
Endosulfan Sulfate	1	7.715	7.688	7.748	0.36	
	2	7.506	7.477	7.537	0.33	8.7
Endrin	1	6.910	6.882	6.942	0.37	
	2	6.881	6.851	6.911	0.31	17.6
Endrin Aldehyde	1	7.383	7.357	7.417	0.36	
	2	7.294	7.265	7.325	0.29	21.5
Endrin Ketone	1	7.926	7.898	7.958	0.39	
	2	7.910	7.880	7.940	0.32	19.7
gamma-BHC (Lindane)	1	5.428	5.401	5.461	0.35	
	2	5.390	5.360	5.420	0.32	9.0
Heptachlor	1	5.718	5.692	5.752	0.35	
	2	5.645	5.616	5.676	0.37	5.6
Heptachlor Epoxide	1	6.308	6.281	6.341	0.37	
	2	6.212	6.183	6.243	0.26	34.9
Methoxychlor	1	7.555	7.528	7.588	0.35	
	2	7.771	7.742	7.802	0.28	22.2

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup 2457

Lab Sample ID: B310136-MSD2 Date(s) Analyzed: 06/18/2022 06/18/2022

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.969	6.942	7.002	0.46	
	2	6.989	6.959	7.019	0.41	11.5
4,4'-DDE	1	6.545	6.517	6.577	0.43	
	2	6.571	6.542	6.602	0.39	9.8
4,4'-DDT	1	7.176	7.149	7.209	0.35	
	2	7.220	7.191	7.251	0.26	29.5
Alachlor	1	6.006	5.977	6.037	0.43	
	2	5.791	5.762	5.822	0.39	9.8
Aldrin	1	5.908	5.881	5.941	0.38	
	2	5.841	5.813	5.873	0.30	23.5
alpha-BHC	1	5.244	5.216	5.276	0.38	
	2	5.191	5.161	5.221	0.36	5.4
beta-BHC	1	5.484	5.454	5.514	0.48	
	2	5.444	5.414	5.474	0.30	46.2
delta-BHC	1	5.588	5.561	5.621	0.30	
	2	5.616	5.587	5.647	0.27	10.5
Dieldrin	1	6.746	6.717	6.777	0.39	
	2	6.667	6.637	6.697	0.35	10.8
Endosulfan I	1	6.577	6.549	6.609	0.41	
	2	6.474	6.445	6.505	0.39	5.0
Endosulfan II	1	7.073	7.046	7.106	0.43	
	2	7.041	7.012	7.072	0.37	15.0
Endosulfan Sulfate	1	7.716	7.688	7.748	0.42	
	2	7.506	7.477	7.537	0.39	7.4
Endrin	1	6.910	6.882	6.942	0.44	
	2	6.881	6.851	6.911	0.37	17.3
Endrin Aldehyde	1	7.384	7.357	7.417	0.40	
	2	7.294	7.265	7.325	0.34	16.2
Endrin Ketone	1	7.926	7.898	7.958	0.44	
	2	7.910	7.880	7.940	0.37	17.3
gamma-BHC (Lindane)	1	5.429	5.401	5.461	0.37	
	2	5.390	5.360	5.420	0.31	17.6
Heptachlor	1	5.719	5.692	5.752	0.37	
	2	5.645	5.616	5.676	0.35	5.6
Heptachlor Epoxide	1	6.308	6.281	6.341	0.39	
	2	6.212	6.183	6.243	0.32	19.7
Methoxychlor	1	7.556	7.528	7.588	0.38	
	2	7.771	7.742	7.802	0.32	19.7

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8151A

Laboratory:	Pace New England	SDG:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Pa	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Instrument:	ECD 8

	2,4-DCAA (30% - 150%)	2,4-DCAA[2] (30% - 150%)
22F0251-01	356*	91.2
22F0251-04	451*	131
B310789-BLK1	76.3	77.3
B310789-BS1	73.8	80.0
B310789-BSD1	76.4	74.6
B310789-MS2	140	95.7
B310789-MSD2	302*	94.4

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B312868	Laboratory ID:	B312868-BS1
Column:	1	Initial/Final:	1000 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,4-D	2.50	2.03	81.2	40 - 140
2,4-DB	2.50	1.96	78.3	40 - 140
2,4,5-TP (Silvex)	0.250	0.222	88.8	40 - 140
2,4,5-T	0.250	0.201	80.5	40 - 140
Dalapon	6.25	4.08	65.2	40 - 140
Dicamba	0.250	0.199	79.7	40 - 140
Dichloroprop	2.50	2.30	92.0	40 - 140
Dinoseb	1.25	0.797	63.8	1.18 - 107
MCPA	250	198	79.3	40 - 140
MCPP	250	224	89.5	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
2,4-D	2.50	1.92	76.7	5.63		20	40 - 140
2,4-DB	2.50	1.75	70.1	11.0		20	40 - 140
2,4,5-TP (Silvex)	0.250	0.177	70.6	22.8	*	20	40 - 140
2,4,5-T	0.250	0.170	67.9	17.1		20	40 - 140
Dalapon	6.25	5.03	80.5	20.9	*	20	40 - 140
Dicamba	0.250	0.191	76.3	4.35		20	40 - 140
Dichloroprop	2.50	2.34	93.7	1.82		20	40 - 140
Dinoseb	1.25	0.892	71.3	11.2		20	1.18 - 107
MCPA	250	192	76.9	3.05		20	40 - 140
MCPP	250	215	85.9	4.18		20	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 8151A
Batch:	B310789	Preparation:	SW-846 8151
% Solids:	25.20	Laboratory ID:	B310789-MS2
Initial/Final:	20 g / 5 mL	Sample Lab ID:	22F0251-01
Column:	2		

ANALYTE	SPIKE ADDED (µg/kg dry)	SAMPLE CONCENTRATION (µg/kg dry)	MS CONCENTRATION (µg/kg dry)	MS % REC.	QC LIMITS REC.
2,4-D [2C]	496	ND	548	111	30 - 150
2,4-DB [2C]	496	ND	500	101	30 - 150
2,4,5-TP (Silvex) [2C]	49.6	ND	57.1	115	30 - 150
2,4,5-T [2C]	49.6	ND	54.9	111	30 - 150
Dalapon [2C]	1240	ND	918	74.0	30 - 150
Dicamba [2C]	49.6	ND	51.9	105	30 - 150
Dichloroprop [2C]	496	ND	634	128	30 - 150
Dinoseb [2C]	248	ND	131	52.9	10 - 150
MCPA [2C]	49600	ND	44700	90.0	30 - 150
MCPP [2C]	49600	ND	61200	123	30 - 150

ANALYTE	SPIKE ADDED (µg/kg dry)	MSD CONCENTRATION (µg/kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,4-D [2C]	496	542	109		1.16		30	30 - 150
2,4-DB [2C]	496	438	88.2		13.2		30	30 - 150
2,4,5-TP (Silvex) [2C]	49.6	52.8	106		7.86		30	30 - 150
2,4,5-T [2C]	49.6	56.2	113		2.35		30	30 - 150
Dalapon [2C]	1240	854	68.8		7.22		30	30 - 150
Dicamba [2C]	49.6	44.0	88.8		16.3		30	30 - 150
Dichloroprop [2C]	496	634	128		0.0482		30	30 - 150
Dinoseb [2C]	248	122	49.4		6.96		30	10 - 150
MCPA [2C]	49600	47200	95.2		5.64		30	30 - 150
MCPP [2C]	49600	114000	230	*	60.5	*	30	30 - 150

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200154
Lab File ID:	H22E171004.d	Calibration Date:	03/29/22 00:00
Sequence:	S073004	Injection Date:	06/20/22
Lab Sample ID:	S073004-CCV1	Injection Time:	09:35

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	530	1.162422E+07	1.09195E+07		-6.1	15	
2,4-D [2C]	A	564	535	1.134281E+07	1.075461E+07		-5.2	15	
2,4-DB	A	568	547	6534307	6294542		-3.7	15	
2,4-DB [2C]	A	568	548	6314135	6090141		-3.5	15	
2,4,5-TP (Silvex)	A	57.1	54.4	5.63901E+07	5.368827E+07		-4.8	15	
2,4,5-TP (Silvex) [2C]	A	57.1	56.0	5.740456E+07	5.631173E+07		-1.9	15	
2,4,5-T	A	56.9	55.6	5.342387E+07	5.222847E+07		-2.2	15	
2,4,5-T [2C]	A	56.9	56.6	5.238248E+07	5.207206E+07		-0.6	15	
Dalapon	A	1370	1430	1.358514E+07	1.417591E+07		4.3	15	
Dalapon [2C]	A	1370	1460	1.376864E+07	1.471708E+07		6.9	15	
Dicamba	A	56.4	54.8	3.993494E+07	3.880496E+07		-2.8	15	
Dicamba [2C]	A	56.4	56.7	3.877911E+07	3.89734E+07		0.5	15	
Dichloroprop	A	566	550	8583282	8347527		-2.7	15	
Dichloroprop [2C]	A	566	542	8290113	7943816		-4.2	15	
Dinoseb	A	283	264	3.433756E+07	3.200283E+07		-6.8	15	
Dinoseb [2C]	A	283	283	3.424144E+07	3.420601E+07		-0.1	15	
MCPA	A	56100	64200	44341.34	50789.66		14.5	15	
MCPA [2C]	A	56100	53600	44498.13	42531.19		-4.4	15	
MCPP	A	56300	73100	31752.89	41252.22		29.9	15	*
MCPP [2C]	A	56300	57200	31249.69	31758.44		1.6	15	
2,4-Dichlorophenylacetic acid	A	562	528	9772265	9178648		-6.1		
2,4-Dichlorophenylacetic acid [2C]	A	562	530	9313437	8782562		-5.7		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200154
Lab File ID:	H22E171011.d	Calibration Date:	03/29/22 00:00
Sequence:	S073004	Injection Date:	06/20/22
Lab Sample ID:	S073004-CCV2	Injection Time:	16:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	572	1.162422E+07	1.17766E+07		1.3	15	
2,4-D [2C]	A	564	582	1.134281E+07	1.170816E+07		3.2	15	
2,4-DB	A	568	612	6534307	7039261		7.7	15	
2,4-DB [2C]	A	568	601	6314135	6682394		5.8	15	
2,4,5-TP (Silvex)	A	57.1	59.0	5.63901E+07	5.827145E+07		3.3	15	
2,4,5-TP (Silvex) [2C]	A	57.1	60.7	5.740456E+07	6.107881E+07		6.4	15	
2,4,5-T	A	56.9	60.9	5.342387E+07	5.72355E+07		7.1	15	
2,4,5-T [2C]	A	56.9	61.5	5.238248E+07	5.661511E+07		8.1	15	
Dalapon	A	1370	1550	1.358514E+07	1.539073E+07		13.3	15	
Dalapon [2C]	A	1370	1580	1.376864E+07	1.588197E+07		15.3	15	*
Dicamba	A	56.4	58.2	3.993494E+07	4.120213E+07		3.2	15	
Dicamba [2C]	A	56.4	60.7	3.877911E+07	4.170922E+07		7.6	15	
Dichloroprop	A	566	590	8583282	8951237		4.3	15	
Dichloroprop [2C]	A	566	585	8290113	8574205		3.4	15	
Dinoseb	A	283	286	3.433756E+07	3.466572E+07		1.0	15	
Dinoseb [2C]	A	283	307	3.424144E+07	3.706961E+07		8.3	15	
MCPA	A	56100	69300	44341.34	54777.18		23.5	15	*
MCPA [2C]	A	56100	57400	44498.13	45522.28		2.3	15	
MCPP	A	56300	78200	31752.89	44122.56		39.0	15	*
MCPP [2C]	A	56300	60800	31249.69	33786.86		8.1	15	
2,4-Dichlorophenylacetic acid	A	562	570	9772265	9915836		1.5		
2,4-Dichlorophenylacetic acid [2C]	A	562	572	9313437	9481851		1.8		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200154
Lab File ID:	H22E171026.d	Calibration Date:	03/29/22 00:00
Sequence:	S073004	Injection Date:	06/21/22
Lab Sample ID:	S073004-CCV3	Injection Time:	02:02

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	588	1.162422E+07	1.211702E+07		4.2	15	
2,4-D [2C]	A	564	601	1.134281E+07	1.208245E+07		6.5	15	
2,4-DB	A	568	601	6534307	6908803		5.7	15	
2,4-DB [2C]	A	568	617	6314135	6858979		8.6	15	
2,4,5-TP (Silvex)	A	57.1	60.0	5.63901E+07	5.924518E+07		5.1	15	
2,4,5-TP (Silvex) [2C]	A	57.1	62.6	5.740456E+07	6.296147E+07		9.7	15	
2,4,5-T	A	56.9	58.4	5.342387E+07	5.484359E+07		2.7	15	
2,4,5-T [2C]	A	56.9	62.9	5.238248E+07	5.788049E+07		10.5	15	
Dalapon	A	1370	1580	1.358514E+07	1.568161E+07		15.4	15	*
Dalapon [2C]	A	1370	1610	1.376864E+07	1.622569E+07		17.8	15	*
Dicamba	A	56.4	60.3	3.993494E+07	4.268085E+07		6.9	15	
Dicamba [2C]	A	56.4	63.1	3.877911E+07	4.333511E+07		11.7	15	
Dichloroprop	A	566	608	8583282	9218375		7.4	15	
Dichloroprop [2C]	A	566	605	8290113	8867138		7.0	15	
Dinoseb	A	283	292	3.433756E+07	3.541555E+07		3.1	15	
Dinoseb [2C]	A	283	316	3.424144E+07	3.819011E+07		11.5	15	
MCPA	A	56100	71500	44341.34	56549.02		27.5	15	*
MCPA [2C]	A	56100	59500	44498.13	47178.25		6.0	15	
MCPP	A	56300	80800	31752.89	45564.83		43.5	15	*
MCPP [2C]	A	56300	63300	31249.69	35175.84		12.6	15	
2,4-Dichlorophenylacetic acid	A	562	590	9772265	1.026014E+07		5.0		
2,4-Dichlorophenylacetic acid [2C]	A	562	593	9313437	9830783		5.6		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200154
Lab File ID:	H22E171037.d	Calibration Date:	03/29/22 00:00
Sequence:	S073004	Injection Date:	06/21/22
Lab Sample ID:	S073004-CCV4	Injection Time:	09:07

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	555	1.162422E+07	1.142429E+07		-1.7	15	
2,4-D [2C]	A	564	562	1.134281E+07	1.12883E+07		-0.5	15	
2,4-DB	A	568	569	6534307	6548063		0.2	15	
2,4-DB [2C]	A	568	574	6314135	6378345		1.0	15	
2,4,5-TP (Silvex)	A	57.1	57.0	5.63901E+07	5.626795E+07		-0.2	15	
2,4,5-TP (Silvex) [2C]	A	57.1	58.6	5.740456E+07	5.895271E+07		2.7	15	
2,4,5-T	A	56.9	57.1	5.342387E+07	5.364148E+07		0.4	15	
2,4,5-T [2C]	A	56.9	58.0	5.238248E+07	5.344815E+07		2.0	15	
Dalapon	A	1370	1490	1.358514E+07	1.475307E+07		8.6	15	
Dalapon [2C]	A	1370	1520	1.376864E+07	1.53108E+07		11.2	15	
Dicamba	A	56.4	57.1	3.993494E+07	4.039362E+07		1.1	15	
Dicamba [2C]	A	56.4	59.3	3.877911E+07	4.074823E+07		5.1	15	
Dichloroprop	A	566	575	8583282	8726325		1.7	15	
Dichloroprop [2C]	A	566	568	8290113	8316961		0.3	15	
Dinoseb	A	283	276	3.433756E+07	3.342049E+07		-2.7	15	
Dinoseb [2C]	A	283	298	3.424144E+07	3.607845E+07		5.4	15	
MCPA	A	56100	67200	44341.34	53151.52		19.9	15	*
MCPA [2C]	A	56100	56000	44498.13	44422.46		-0.2	15	
MCPP	A	56300	76600	31752.89	43218.47		36.1	15	*
MCPP [2C]	A	56300	59800	31249.69	33190.05		6.2	15	
2,4-Dichlorophenylacetic acid	A	562	552	9772265	9600178		-1.8		
2,4-Dichlorophenylacetic acid [2C]	A	562	554	9313437	9185587		-1.4		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200154
Lab File ID:	H22E171045.d	Calibration Date:	03/29/22 00:00
Sequence:	S073004	Injection Date:	06/21/22
Lab Sample ID:	S073004-CCV5	Injection Time:	14:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	559	1.162422E+07	1.152553E+07		-0.8	15	
2,4-D [2C]	A	564	572	1.134281E+07	1.148989E+07		1.3	15	
2,4-DB	A	568	582	6534307	6693310		2.4	15	
2,4-DB [2C]	A	568	587	6314135	6525000		3.3	15	
2,4,5-TP (Silvex)	A	57.1	57.4	5.63901E+07	5.667601E+07		0.5	15	
2,4,5-TP (Silvex) [2C]	A	57.1	59.1	5.740456E+07	5.94063E+07		3.5	15	
2,4,5-T	A	56.9	59.3	5.342387E+07	5.566784E+07		4.2	15	
2,4,5-T [2C]	A	56.9	59.6	5.238248E+07	5.488049E+07		4.8	15	
Dalapon	A	1370	1510	1.358514E+07	1.495599E+07		10.1	15	
Dalapon [2C]	A	1370	1550	1.376864E+07	1.557161E+07		13.1	15	
Dicamba	A	56.4	56.9	3.993494E+07	4.029965E+07		0.9	15	
Dicamba [2C]	A	56.4	59.4	3.877911E+07	4.083156E+07		5.3	15	
Dichloroprop	A	566	573	8583282	8689399		1.2	15	
Dichloroprop [2C]	A	566	570	8290113	8357951		0.8	15	
Dinoseb	A	283	276	3.433756E+07	3.350565E+07		-2.4	15	
Dinoseb [2C]	A	283	300	3.424144E+07	3.631484E+07		6.1	15	
MCPA	A	56100	69800	44341.34	55199.64		24.5	15	*
MCPA [2C]	A	56100	56500	44498.13	44798.57		0.7	15	
MCPP	A	56300	78300	31752.89	44161.63		39.1	15	*
MCPP [2C]	A	56300	59200	31249.69	32896.98		5.3	15	
2,4-Dichlorophenylacetic acid	A	562	557	9772265	9690925		-0.8		
2,4-Dichlorophenylacetic acid [2C]	A	562	562	9313437	9309964		-0.04		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ECD 8	Calibration:	2200374
Lab File ID:	H22E197018.d	Calibration Date:	07/07/22 00:00
Sequence:	S074018	Injection Date:	07/16/22
Lab Sample ID:	S074018-CCV2	Injection Time:	18:22

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-D	A	564	543	1.319237E+07	1.268901E+07		-3.8	15	
2,4-D [2C]	A	564	526	1.412247E+07	1.31633E+07		-6.8	15	
2,4-DB	A	568	498	7493149	6566901		-12.4	15	
2,4-DB [2C]	A	568	487	7854904	6728345		-14.3	15	
2,4,5-TP (Silvex)	A	57.1	50.4	6.575801E+07	5.80718E+07		-11.7	15	
2,4,5-TP (Silvex) [2C]	A	57.1	48.4	7.529299E+07	6.380035E+07		-15.3	15	*
2,4,5-T	A	56.9	50.0	6.347739E+07	5.58348E+07		-12.0	15	
2,4,5-T [2C]	A	56.9	50.1	6.87261E+07	6.048682E+07		-12.0	15	
Dalapon	A	1370	1420	1.484049E+07	1.544788E+07		4.1	15	
Dalapon [2C]	A	1370	1430	1.648181E+07	1.720759E+07		4.4	15	
Dicamba	A	56.4	51.6	4.646483E+07	4.247695E+07		-8.6	15	
Dicamba [2C]	A	56.4	52.7	4.93733E+07	4.606915E+07		-6.7	15	
Dichloroprop	A	566	516	9929500	9060247		-8.8	15	
Dichloroprop [2C]	A	566	526	1.016573E+07	9448057		-7.1	15	
Dinoseb	A	283	252	3.945481E+07	3.509611E+07		-11.0	15	
Dinoseb [2C]	A	283	256	4.312878E+07	3.89258E+07		-9.7	15	
MCPA	A	56100	51500	49345.23	45352.94		-8.1	15	
MCPA [2C]	A	56100	52100	51501.54	47884.14		-7.0	15	
MCPP	A	56300	52700	35376.85	33119.01		-6.4	15	
MCPP [2C]	A	56300	54400	36448.99	35202.49		-3.4	15	
2,4-Dichlorophenylacetic acid	A	562	499	1.110496E+07	9860854		-11.2		
2,4-Dichlorophenylacetic acid [2C]	A	562	500	1.145209E+07	1.019039E+07		-11.0		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

LCS 3558

Lab Sample ID: B310789-BS1 Date(s) Analyzed: 06/20/2022 06/20/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.278	0.000	0.000	9.54	
	2	17.117	0.000	0.000	9.71	2.2
2,4,5-TP (Silvex)	1	17.047	0.000	0.000	10.3	
	2	16.731	0.000	0.000	10.7	6.8
2,4-D	1	15.557	0.000	0.000	96.9	
	2	14.991	0.000	0.000	107	9.8
2,4-DB	1	17.639	0.000	0.000	90.7	
	2	17.474	0.000	0.000	86.6	5.0
Dalapon	1	5.438	0.000	0.000	152	
	2	4.894	0.000	0.000	171	13.1
Dicamba	1	13.311	0.000	0.000	8.90	
	2	12.669	0.000	0.000	9.86	10.2
Dichloroprop	1	15.025	0.000	0.000	110	
	2	14.281	0.000	0.000	110	0.0
Dinoseb	1	18.173	0.000	0.000	6.52	
	2	17.647	0.000	0.000	6.68	2.7
MCPA	1	14.175	0.000	0.000	11300	
	2	13.543	0.000	0.000	9870	10.8
MCPP	1	13.820	0.000	0.000	14600	
	2	13.015	0.000	0.000	10400	36.2

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

LCS Dup 3559

Lab Sample ID: B310789-BSD1 Date(s) Analyzed: 06/20/2022 06/20/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.276	0.000	0.000	8.75	
	2	17.117	0.000	0.000	8.65	1.7
2,4,5-TP (Silvex)	1	17.046	0.000	0.000	9.43	
	2	16.731	0.000	0.000	9.94	5.6
2,4-D	1	15.556	0.000	0.000	92.4	
	2	14.992	0.000	0.000	102	10.3
2,4-DB	1	17.636	0.000	0.000	81.3	
	2	17.472	0.000	0.000	81.0	0.0
Dalapon	1	5.435	0.000	0.000	194	
	2	4.889	0.000	0.000	188	1.1
Dicamba	1	13.310	0.000	0.000	9.43	
	2	12.669	0.000	0.000	9.46	0.6
Dichloroprop	1	15.023	0.000	0.000	106	
	2	14.283	0.000	0.000	105	4.7
Dinoseb	1	18.168	0.000	0.000	8.17	
	2	17.645	0.000	0.000	8.85	7.6
MCPA	1	14.172	0.000	0.000	10600	
	2	13.544	0.000	0.000	9360	16.1
MCPP	1	13.818	0.000	0.000	14000	
	2	13.016	0.000	0.000	9850	34.8

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike 3560

Lab Sample ID: B310789-MS2 Date(s) Analyzed: 06/20/2022 06/20/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.276	0.000	0.000	44.8	
	2	17.116	0.000	0.000	54.9	19.8
2,4,5-TP (Silvex)	1	17.046	0.000	0.000	47.1	
	2	16.731	0.000	0.000	57.1	19.4
2,4-D	1	15.556	0.000	0.000	492	
	2	14.992	0.000	0.000	548	11.2
2,4-DB	1	17.616	0.000	0.000	33000	
	2	17.472	0.000	0.000	500	194.0
Dalapon	1	5.435	0.000	0.000	847	
	2	4.894	0.000	0.000	918	7.7
Dicamba	1	13.313	0.000	0.000	46.7	
	2	12.670	0.000	0.000	51.9	9.9
Dichloroprop	1	15.023	0.000	0.000	920	
	2	14.284	0.000	0.000	634	36.8
Dinoseb	1	18.167	0.000	0.000	105	
	2	17.645	0.000	0.000	131	17.4
MCPA	1	14.163	0.000	0.000	98400	
	2	13.531	0.000	0.000	44700	74.7
MCPP	1	13.809	0.000	0.000	93900	
	2	13.004	0.000	0.000	61200	42.3

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike Dup 3561

Lab Sample ID: B310789-MSD2 Date(s) Analyzed: 06/20/2022 06/20/2022

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	17.276	0.000	0.000	49.7	
	2	17.117	0.000	0.000	56.2	11.7
2,4,5-TP (Silvex)	1	17.045	0.000	0.000	60.3	
	2	16.732	0.000	0.000	52.8	12.8
2,4-D	1	15.557	0.000	0.000	487	
	2	14.993	0.000	0.000	542	10.1
2,4-DB	1	17.619	0.000	0.000	26600	
	2	17.472	0.000	0.000	438	194.0
Dalapon	1	5.435	0.000	0.000	866	
	2	4.894	0.000	0.000	854	1.9
Dicamba	1	13.310	0.000	0.000	52.3	
	2	12.670	0.000	0.000	44.0	16.7
Dichloroprop	1	15.023	0.000	0.000	922	
	2	14.285	0.000	0.000	634	36.8
Dinoseb	1	18.169	0.000	0.000	105	
	2	17.646	0.000	0.000	122	10.3
MCPA	1	14.163	0.000	0.000	94400	
	2	13.531	0.000	0.000	47200	66.3
MCPP	1	13.811	0.000	0.000	89700	
	2	13.032	0.000	0.000	114000	23.5

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F0251
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: 2200329
Laboratory ID: S072856-LCV1
Sequence: S072856
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0494	-1.2	20.00
Antimony	0.0500	0.0455	-8.9	20.00
Arsenic	0.0100	0.0119	19.2	20.00
Barium	0.0500	0.0507	1.5	20.00
Beryllium	0.00400	0.00414	3.5	20.00
Cadmium	0.00400	0.00384	-4.0	20.00
Calcium	0.500	0.516	3.3	20.00
Chromium	0.0100	0.0103	2.6	20.00
Cobalt	0.0100	0.0103	3.2	20.00
Copper	0.0100	0.0101	1.5	20.00
Iron	0.0500	0.0511	2.2	20.00
Lead	0.0100	0.0104	4.3	20.00
Magnesium	0.0500	0.0516	3.3	20.00
Manganese	0.0100	0.00968	-3.2	20.00
Nickel	0.0100	0.00990	-1.0	20.00
Potassium	2.00	2.04	1.9	20.00
Selenium	0.0500	0.0499	-0.3	20.00
Silver	0.0100	0.0101	0.8	20.00
Sodium	2.00	2.03	1.3	20.00
Thallium	0.0500	0.0527	5.3	20.00
Vanadium	0.0100	0.0108	7.5	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F0251
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: 2200334
Laboratory ID: S072920-LCV1
Sequence: S072920
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0579	15.7	20.00
Antimony	0.0500	0.0480	-4.0	20.00
Arsenic	0.0100	0.0110	9.7	20.00
Barium	0.0500	0.0536	7.2	20.00
Beryllium	0.00400	0.00446	11.4	20.00
Cadmium	0.00400	0.00477	19.2	20.00
Calcium	0.500	0.537	7.4	20.00
Chromium	0.0100	0.0108	7.6	20.00
Cobalt	0.0100	0.0110	9.8	20.00
Copper	0.0100	0.0116	15.5	20.00
Iron	0.0500	0.0542	8.4	20.00
Lead	0.0100	0.0126	25.9 *	20.00
Magnesium	0.0500	0.0539	7.7	20.00
Manganese	0.0100	0.0107	7.0	20.00
Nickel	0.0100	0.0106	5.8	20.00
Potassium	2.00	2.11	5.7	20.00
Selenium	0.0500	0.0550	10.0	20.00
Silver	0.0100	0.0105	4.9	20.00
Sodium	2.00	2.12	6.1	20.00
Vanadium	0.0100	0.0105	4.9	20.00
Zinc	0.0100	0.0109	9.1	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F0251
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S075356-LCV1
Sequence: S075356
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0513	2.6	20.00
Antimony	0.0500	0.0500	0.09	20.00
Barium	0.0500	0.0553	10.7	20.00
Beryllium	0.00400	0.00392	-1.9	20.00
Calcium	0.500	0.527	5.3	20.00
Chromium	0.0100	0.0115	14.7	20.00
Cobalt	0.0100	0.0104	3.8	20.00
Copper	0.0100	0.0103	3.3	20.00
Iron	0.0500	0.0473	-5.5	20.00
Magnesium	0.0500	0.0537	7.4	20.00
Manganese	0.0100	0.00972	-2.8	20.00
Nickel	0.0100	0.0109	8.7	20.00
Potassium	2.00	2.03	1.3	20.00
Selenium	0.0500	0.0521	4.2	20.00
Sodium	2.00	2.08	3.8	20.00
Thallium	0.0500	0.0512	2.3	20.00
Vanadium	0.0100	0.0113	13.0	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F0251
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S075382-LCV1
Sequence: S075382
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0564	12.8	20.00
Antimony	0.0500	0.0459	-8.2	20.00
Barium	0.0500	0.0483	-3.4	20.00
Beryllium	0.00400	0.00368	-8.1	20.00
Cadmium	0.00400	0.00400	-0.003	20.00
Calcium	0.500	0.474	-5.2	20.00
Chromium	0.0100	0.00942	-5.8	20.00
Cobalt	0.0100	0.00950	-5.0	20.00
Copper	0.0100	0.00931	-6.9	20.00
Iron	0.0500	0.0482	-3.7	20.00
Magnesium	0.0500	0.0482	-3.6	20.00
Manganese	0.0100	0.0105	5.1	20.00
Nickel	0.0100	0.00965	-3.5	20.00
Potassium	2.00	1.91	-4.7	20.00
Selenium	0.0500	0.0496	-0.8	20.00
Silver	0.0100	0.0105	5.0	20.00
Sodium	2.00	1.92	-3.8	20.00
Thallium	0.0500	0.0474	-5.2	20.00
Vanadium	0.0100	0.00946	-5.4	20.00
Zinc	0.0100	0.00980	-2.0	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 22F0251
Client: NYDEC_TRC Environmental Corporation- Clifton Park
Project: Queensbury Landfill - CO 141573
Calibration: UNASSIGNED
Laboratory ID: S076514-LCV1
Sequence: S076514
Standard ID: 2208025

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	0.0100	0.0115	14.5	20.00
Silver	0.0100	0.00976	-2.4	20.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP4	Calibration:	2200329
Sequence:	S072862		

Lab Sample ID	Analyte	Found	Units	RL	C
B310639-BLK1	Aluminum		mg/Kg wet	16	U
	Antimony		mg/Kg wet	1.6	U
	Arsenic		mg/Kg wet	3.2	U
	Barium		mg/Kg wet	1.6	U
	Beryllium		mg/Kg wet	0.16	U
	Cadmium		mg/Kg wet	0.32	U
	Calcium		mg/Kg wet	16	U
	Chromium		mg/Kg wet	0.64	U
	Cobalt		mg/Kg wet	1.6	U
	Copper	0.40	mg/Kg wet	0.64	J
	Iron		mg/Kg wet	16	U
	Lead	0.24	mg/Kg wet	0.48	J
	Magnesium		mg/Kg wet	16	U
	Manganese		mg/Kg wet	0.32	U
	Nickel		mg/Kg wet	0.64	U
	Potassium		mg/Kg wet	160	U
	Selenium		mg/Kg wet	3.2	U
	Silver		mg/Kg wet	0.32	U
	Sodium		mg/Kg wet	160	U
	Thallium		mg/Kg wet	1.6	U
	Vanadium		mg/Kg wet	0.64	U
	Zinc	0.47	mg/Kg wet	0.64	J
S072862-CCB1	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium	0.0022	mg/L	0.0050	
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.020	U
	Iron		mg/L	0.50	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP4	Calibration:	2200334
Sequence:	S073034		

Lab Sample ID	Analyte	Found	Units	RL	C
S073034-CCB1	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.020	U
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver	0.0072	mg/L	0.010	
	Sodium		mg/L	5.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
B310605-BLK1	Aluminum		mg/Kg wet	16	U
	Antimony		mg/Kg wet	1.6	U
	Arsenic		mg/Kg wet	3.2	U
	Barium		mg/Kg wet	1.6	U
	Beryllium		mg/Kg wet	0.16	U
	Cadmium		mg/Kg wet	0.32	U
	Calcium		mg/Kg wet	16	U
	Chromium		mg/Kg wet	0.64	U
	Cobalt		mg/Kg wet	1.6	U
	Copper	0.16	mg/Kg wet	0.64	J
	Iron		mg/Kg wet	16	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP4	Calibration:	2200334
Sequence:	S073034		

Lab Sample ID	Analyte	Found	Units	RL	C
B310605-BLK1	Magnesium		mg/Kg wet	16	U
	Manganese		mg/Kg wet	0.32	U
	Nickel		mg/Kg wet	0.64	U
	Potassium		mg/Kg wet	160	U
	Selenium		mg/Kg wet	3.2	U
	Sodium		mg/Kg wet	160	U
	Thallium		mg/Kg wet	1.6	U
	Vanadium		mg/Kg wet	0.64	U
	Zinc	0.41	mg/Kg wet	0.64	J
S073034-CCB2	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.020	U
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver	0.0065	mg/L	0.010	
	Sodium		mg/L	5.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
S073034-CCB3	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S075356		

Lab Sample ID	Analyte	Found	Units	RL	C
S075356-CCB1	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
B310050-BLK1	Aluminum	0.051	mg/L	0.050	
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron	0.039	mg/L	0.050	J
	Lead	0.0040	mg/L	0.010	J
	Magnesium	0.015	mg/L	0.050	J
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
S075356-CCB2	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium	0.0017	mg/L	0.0040	
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt	0.0017	mg/L	0.010	
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead	0.0063	mg/L	0.010	
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S075382		

Lab Sample ID	Analyte	Found	Units	RL	C
S075382-CCB9	Cadmium	0.0027	mg/L	0.0040	
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt	0.0024	mg/L	0.010	
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium	0.011	mg/L	0.050	
	Manganese	0.0041	mg/L	0.010	
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver	0.0072	mg/L	0.010	
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
B310420-BLK1	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron	0.022	mg/L	0.050	J
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S075382		

Lab Sample ID	Analyte	Found	Units	RL	C
B310420-BLK1	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S075382-CCBA	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium	0.0028	mg/L	0.0040	
	Cadmium	0.0031	mg/L	0.0040	
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt	0.0029	mg/L	0.010	
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead	0.0041	mg/L	0.010	
	Magnesium	0.011	mg/L	0.050	
	Manganese	0.0043	mg/L	0.010	
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver	0.0096	mg/L	0.010	
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S075382-CCBB	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium	0.0033	mg/L	0.0040	

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton	Project:	Queensbury Landfill - CO 141573
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S075382		

Lab Sample ID	Analyte	Found	Units	RL	C
S075382-CCBB	Cadmium	0.0038	mg/L	0.0040	
	Calcium		mg/L	0.50	U
	Chromium	0.0033	mg/L	0.010	
	Cobalt	0.0036	mg/L	0.010	
	Copper	0.0039	mg/L	0.010	
	Iron		mg/L	0.050	U
	Lead	0.0057	mg/L	0.010	
	Magnesium	0.012	mg/L	0.050	
	Manganese	0.0049	mg/L	0.010	
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver	0.0043	mg/L	0.010	
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B310639	Preparation:	SW-846 3050B
% Solids:	25.20	Laboratory ID:	B310639-MS1
Column:		Sample Lab ID:	22F0251-01

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Aluminum	64.6	9770	10100	493		75 - 125
Antimony	64.6	ND	32.5 MS-07A	50.3	N	75 - 125
Arsenic	64.6	8.93	67.1	90.1		75 - 125
Barium	64.6	70.5	146	117		75 - 125
Beryllium	64.6	ND	59.8	92.6		75 - 125
Cadmium	64.6	ND	59.0	91.3		75 - 125
Chromium	64.6	14.5	72.9	90.4		75 - 125
Cobalt	64.6	6.42	58.4	80.5		75 - 125
Copper	129	24.3	143	91.7		75 - 125
Lead	64.6	20.7	72.1	79.6		75 - 125
Manganese	64.6	331	395	99.9		75 - 125
Nickel	64.6	14.4	66.3	80.4		75 - 125
Potassium	517	1470	2050	112		75 - 125
Selenium	64.6	ND	59.5	92.2		75 - 125
Silver	64.6	ND	63.5	98.3		75 - 125
Sodium	517	183	737	107		75 - 125
Thallium	64.6	ND	74.2	115		75 - 125
Vanadium	64.6	26.2	84.8	90.7		75 - 125
Zinc	129	65.5	168	79.6		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

QNSB-MPND-SE-101

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B310639	Preparation:	SW-846 3050B
% Solids:	25.20	Laboratory ID:	B310639-MSD1
Column:		Sample Lab ID:	22F0251-01

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Aluminum	64.4	8790	-1510		13.7		35	75 - 125
Antimony	64.4	31.1 MS-07A	48.4	N	4.25	N	35	75 - 125
Arsenic	64.4	61.1	81.1		9.39		35	75 - 125
Barium	64.4	110 MS-22	62.1	N	27.7	N	35	75 - 125
Beryllium	64.4	55.2	85.7		8.10		35	75 - 125
Cadmium	64.4	53.2	82.6		10.3		35	75 - 125
Chromium	64.4	65.8	79.8		10.2		35	75 - 125
Cobalt	64.4	53.5 MS-22	73.1	N	8.81	N	35	75 - 125
Copper	129	132	83.3		8.21		35	75 - 125
Lead	64.4	72.5	80.5		0.528		35	75 - 125
Manganese	64.4	334 MS-19	4.99		16.8		35	75 - 125
Nickel	64.4	60.2 MS-22	71.1	N	9.69	N	35	75 - 125
Potassium	515	1770	58.8	N	14.6	N	35	75 - 125
Selenium	64.4	52.9	82.2		11.8		35	75 - 125
Silver	64.4	57.8	89.9		9.33		35	75 - 125
Sodium	515	617 J	84.3		17.6		35	75 - 125
Thallium	64.4	67.3	105		9.72		35	75 - 125
Vanadium	64.4	77.0	79.0		9.57		35	75 - 125
Zinc	129	157 MS-22	71.3	N	6.79	N	35	75 - 125

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Pace New England	Work Order:	22F0251
Client:	NYDEC_TRC Environmental Corporation- Clifton Par	Project:	Queensbury Landfill - CO 141573
Matrix:	Soil	Preparation:	SW-846 3050B
Batch:	B310605	Laboratory ID:	B310605-BS1
Column:		Initial/Final:	0.5052 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Aluminum	8630	7960	92.2	51.2 - 148.3
Antimony	129	88.3	68.5	0.6 - 199.2
Arsenic	84.5	78.7	93.1	82.8 - 117.2
Barium	249	234	93.9	82.7 - 117.3
Beryllium	163	149	91.7	82.8 - 117.2
Cadmium	99.0	91.5	92.4	83 - 117.2
Calcium	4760	4510	94.7	81.7 - 118.5
Chromium	122	111	91.1	82.8 - 118
Cobalt	61.7	56.9	92.2	84.1 - 116
Copper	61.5	60.0	97.5	84.4 - 115.4
Iron	14500	11700	80.7	61.1 - 138.6
Lead	123	119	96.8	83.7 - 117.1
Magnesium	2360	2200	93.1	76.7 - 123.7
Manganese	456	416	91.1	82.2 - 118
Nickel	135	125	92.6	83 - 117
Potassium	2090	2050	97.9	70.8 - 129.2
Selenium	121	106	87.8	80.1 - 120.7
Silver	44.1	43.4	98.4	80.5 - 119.7
Sodium	136	121	88.6	71.6 - 127.9
Thallium	144	140	97.2	81.3 - 118.8
Vanadium	186	163	87.6	79.6 - 120.4
Zinc	295	272	92.2	81.4 - 119

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	8630	7440	86.3		6.68	30	51.2 - 148.3
Antimony	129	80.3	62.3		9.49	30	0.6 - 199.2
Arsenic	84.5	72.3	85.5		8.46	30	82.8 - 117.2
Barium	249	220	88.5		5.89	20	82.7 - 117.3
Beryllium	163	139	85.0		7.57	30	82.8 - 117.2
Cadmium	99.0	82.4	83.2		10.5	20	83 - 117.2
Calcium	4760	4230	88.8		6.43	30	81.7 - 118.5
Chromium	122	101	83.1		9.22	30	82.8 - 118
Cobalt	61.7	51.6	83.6	*	9.70	20	84.1 - 116
Copper	61.5	54.5	88.6		9.58	30	84.4 - 115.4
Iron	14500	11000	75.6		6.50	30	61.1 - 138.6

FORM 3 - Blank Summary

SW-846 9014

Laboratory: Con-Test, a Pace Analytical Laboratory
Work Order: 22F0251
Client: NYDEC_TRC Environmental Corporation- Clifton
Project: Queensbury Landfill - CO 141573

Lab Sample ID	Analyte	Found	Units	RL	C
B310437-BLK1	Cyanide	0.27	mg/Kg wet	0.50	J

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-86514-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: IF0815.D

Lab ID: 410-86514-1 MSD Client ID: 22F0251-01 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	142	117	62	52	30	15-120	F2

Column to be used to flag recovery and RPD values

FORM III 8270E SIM

Data Usability Summary Report

Site: Queensbury Landfill Site No. 557005
Laboratories: Eurofins TestAmerica Buffalo – Amherst, NY (VOCs and 1,4-Dioxane analyses of aqueous samples)
Eurofins Pittsburgh – Pittsburgh, PA (1,4-Dioxane analyses of soil samples)
SDG No(s).: 480-213859-1, 480-214367-1, 480-214912-1
Parameters: Volatile Organic Compounds (VOCs); 1,4-Dioxane
Data Reviewer: Amy Bass/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: February 7, 2024

Samples Reviewed and Evaluation Summary

15 / Soil: QNSB-MW-110 (77-78), QNSB-MW-104 64-66, DUP-01[1], QNSB-MW-108 (75-76'), QNSB-BMW-101 (114-115)[A], QNSB-BMW-101 (194-195), QNSB-BMW-102 (59-60), QNSB-BMW-102 (76-77), QNSB-MW-109 (77-78)[B], QNSB-MW-107 (62-65`), QNSB-MW-106 (76-77'), QNSB-MW-105 (57-58), QNSB-MW-103 (33-34'), DUP-02[2], QNSB-MW-102 (115-116), QNSB-MW-101

12 / Equipment Blank: QNSB-MW-110 EB, QNSB-MW-104 EB, QNSB-MW-108 EB, QNSB-BMW-101 EB, QNSB-BMW-102 EB, QNSB-MW-109 EB, QNSB-MW-107 EB, QNSB-MW-106 EB, QNSB-105 EB, QNSB-MW-103 EB, QNSB-MW-102 EB, QNSB-MW-101 EB

8 / Trip Blank:* TRIP BLANK (10/17/2023), TRIP BLANK (10/19/2023), TRIP BLANK (10/23/2023), TRIP BLANK (10/25/2023), TRIP BLANK[C] (10/30/2023), TRIP BLANK (10/31/2023), TRIP BLANK (11/01/2023), TRIP BLANK (11/14/2023)

[1] Field Duplicate for QNSB-MW-104 64-66; [2] Field Duplicate for QNSB-MW-103 (33-34')
[A] The laboratory entered this sample ID as "QNSV-BMW-101 (114-115)"; the corrected ID (as shown above) was used in this text and the Form Is were updated accordingly.
[B] The laboratory entered this sample ID as "QNSB-109 (77-78)"; the corrected ID (as shown above) was used in this text and the Form Is were updated accordingly.
[C] The laboratory entered this sample ID as "TRIP BLANKS"; the corrected ID (as shown above) was used in this text and the Form Is were updated accordingly.
* The trip blank sample IDs are differentiated here using the sample "collection date" entered by the laboratory and the Form Is were updated accordingly.

The above-listed samples were collected on October 17 through November 14, 2023, and were analyzed for the following parameters:

- VOCs by SW-846 Method 8260C
- 1,4-Dioxane by SW-846 Method 8270E, low-level (for soil samples)
- 1,4-Dioxane by SW-846 Method 8270D using selective ion monitoring (SIM) / isotope dilution (for aqueous samples)

The trip blank samples were analyzed for VOCs only.

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 540-R-20-005), November 2020*, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Internal Standards
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
* • Field Duplicate Results
- Sample Results and Reported Quantitation Limits (QLs)
* • Target Compound Identification
* • Tentatively Identified Compounds (TICs)

* - All criteria were met.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of the nondetect VOC results in sample QNSB-BMW-102 (76-77) due to significantly low internal standard recoveries.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for chloroform in samples QNSB-MW-110 EB and QNSB-105-EB were qualified as nondetect due to trip blank contamination. These results can be used for project objectives as nondetects, which may have a minor impact on the data usability.

- The positive results for chloroform in samples QNSB-MW-101, DUP-02, QNSB-BMW-102 (59-60), QNSB-MW-103 (33-34'), and QNSB-MW-107 (62-65`) were qualified as nondetect (U) due to trip blank or equipment blank contamination. These results can be used for project objectives as nondetects, which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) by the laboratory. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect VOC results in sample QNSB-BMW-102 (76-77) were rejected (R) due to significantly low internal standard recoveries. These results are not usable for project objectives, which may have a major impact on the data usability.

- The nondetect results for VOCs in samples QNSB-BMW-102 (59-60), QNSB-MW-107 (62-65`), and QNSB-MW-103 (33-34') were qualified as estimated (UJ) due to a holding time exceedance. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for acetone, carbon disulfide, and methylene chloride in sample QNSB-BMW-102 (76-77) were qualified as estimated (J) due to a holding time exceedance, high and low surrogate recoveries, and internal standard nonconformances. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive result for methylene chloride in sample QNSB-MW-103 (33-34') was qualified as estimated (J-) with a potential low bias due to holding time exceedance, and the positive result for acetone in this sample was qualified as estimated (J) due to a holding time exceedance, low MS recovery, MS/MSD variability, and detection <QL. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive results for acetone in samples QNSB-BMW-101 (114-115) and QNSB-BMW-101 (194-195) and the positive results for 1,2-dichloroethane, 2-butanone, and acetone in sample QNSB-MW-101 were qualified as estimated (J) due to continuing calibration (CC) nonconformances. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in several samples and the nondetect result for 1,4-dioxane in sample QNSB-MW-110 (77-78) were qualified as estimated (UJ) due to CC nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in samples QNSB-MW-104 64-66 and QNSB-MW-103 (33-34') were qualified as estimated (UJ) due to low MS and/or MSD recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in sample QNSB-BMW-101 (194-195) were qualified as estimated (UJ) due to an internal standard nonconformance. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for methyl acetate in samples QNSB-BMW-101 EB and TRIP BLANK (10/23/2023) were qualified as estimated (UJ) due to low LCS recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data packages were complete Level IV data deliverable packages, with the following exceptions.

- The laboratory did not report LCS or MS/MSD percent recoveries (%Rs) for total xylenes on the summary forms. The %Rs were calculated during validation and were within the laboratory acceptance criteria; no validation actions were required on this basis.

- The laboratory did not report the results for the initial calibration verification (ICV) analyses associated with multiple 1,4-dioxane calibrations for the method 8270E (soil) analyses. The run logs noted that these ICV analyses were performed. Since the ICV analyses are not used to qualify sample data, no further action was taken.

- The sample receipt checklists associated with the VOC soil samples were not always clear as to what was placed in the freezer in the laboratory. Some of the sample receipt checklists referred to "tcores" or "Terracore" being placed in the freezer. The laboratory was questioned to determine if these were referring to the Terracore samplers or the associated low-level preserved vials. The laboratory confirmed the low-level preserved vials were the items placed into the freezer in all cases.

- The sample receipt checklist associated with sample QNSB-MW-102 (115-116) was missing information on the date/time frozen for the low-level VOC vials. The laboratory was contacted and provided information on the date samples were frozen.

Holding Times and Sample Preservation

The holding time and sample preservation criteria were met for the VOC and 1,4-dioxane analyses, with the following exceptions:

- The low-level soil sample vials for VOC analysis for samples QNSB-BMW-102 (59-60), QNSB-BMW-102 (76-77), QNSB-MW-107 (62-65`), and QNSB-MW-103 (33-34') were not frozen within 48-hours after sample collection, as per the method. The positive result for methylene chloride in sample QNSB-MW-103 (33-34') was qualified as estimated (J-) with a potential low bias. The positive results for acetone, carbon disulfide, and methylene chloride in sample QNSB-BMW-102 (76-77) and the positive result for acetone in sample QNSB-MW-103 (33-34') were qualified as estimated (J); low bias was not applied to these results since these results were also qualified as estimated (J) due to detection <QL and/or due to other QC failures, as detailed in this report. The nondetect VOC results in samples QNSB-BMW-102 (59-60), QNSB-MW-107 (62-65`), and QNSB-MW-103 (33-34') were qualified as estimated (UJ). The nondetect VOC results in sample QNSB-BMW-102 (76-77) were subsequently rejected (R) due to unacceptably low internal standard responses; no further validation action was required on the basis of this holding time exceedance for these results.

GC/MS Tunes

All method acceptance criteria were met in the VOC and 1,4-dioxane analyses.

Initial and Continuing Calibrations

VOCs

The percent relative standard deviations (%RSDs), correlation coefficients, and relative response factors (RRFs) were within the method acceptance criteria in the initial calibrations (ICs).

The following table summarizes the percent differences or percent drifts (%Ds) that did not meet the acceptance criteria in the CC standards, the associated samples, and the validation actions. All RRFs were within acceptance criteria in the CC standards.

CC	Compound	%D	Validation Actions
10/24/23 @11:18 HP5973S	Methyl acetate	-30.3	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	2-Butanone	-21.9	
Associated samples: QNSB-BMW-101 EB, TRIP BLANK (10/23/2023)			
10/31/23 @13:33 HP5977L	Carbon disulfide	24.2	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	Acetone	21.8	
	1,1,1-Trichloroethane	20.1	
	Carbon tetrachloride	21.6	
Associated samples: QNSB-BMW-102 EB, QNSB-MW-109 EB, TRIP BLANK (10/25/2023)			
10/22/23 @09:09 HP5977M	Dichlorodifluoromethane	28.2	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	Trichlorofluoromethane	20.1	
Associated samples: QNSB-MW-110 (77-78), QNSB-MW-104 64-66, DUP-01			
10/23/23 @19:29 HP5977M	Dichlorodifluoromethane	27.1	The nondetect results for these VOCs in the associated sample were qualified as estimated (UJ).
	Vinyl chloride	21.2	
	Trichlorofluoromethane	27.6	
	1,1,2-Trichloro-1,2,2-trifluoroethane	23.2	
	Cyclohexane	25.4	
	Methylcyclohexane	21.9	
Associated sample: QNSB-MW-108 (75-76')			
10/25/23 @18:55 HP5977M	Vinyl chloride	25.0	The positive results for acetone in the associated samples were qualified as estimated (J), and the nondetect results for the remaining noted VOCs in the associated samples were qualified as estimated (UJ).
	Trichlorofluoromethane	28.2	
	1,1,2-Trichloro-1,2,2-trifluoroethane	25.3	
	Acetone	-27.8	
	Cyclohexane	28.1	
	Methylcyclohexane	21.0	
Associated samples: QNSB-BMW-101 (114-115), QNSB-BMW-101 (194-195)			
10/31/23 @19:09 HP5977M	Chloromethane	26.8	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	Vinyl chloride	31.9	
	Chloroethane	21.1	
	Trichlorofluoromethane	30.5	
	1,1,2-Trichloro-1,2,2-trifluoroethane	25.6	
	Cyclohexane	36.9	
	Methylcyclohexane	28.4	
Associated samples: QNSB-BMW-102 (59-60), QNSB-MW-109 (77-78)			
11/01/23 @19:44 HP5977M	Chloromethane	26.6	The nondetect results for these VOCs in the associated sample were rejected due to unacceptably low internal standard response; therefore, no further validation action was required on this basis.
	Vinyl chloride	24.3	
	Trichlorofluoromethane	25.5	
	Cyclohexane	28.4	
	Methylcyclohexane	20.5	

CC	Compound	%D	Validation Actions
Associated sample: QNSB-BMW-102 (76-77)			
11/08/23 @11:28 HP5973S	1,1,2-Trichloro-1,2,2-trifluoroethane	20.1	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	Cyclohexane	24.3	
	Methylcyclohexane	22.6	
	Isopropylbenzene	20.5	
	1,2-Dibromo-3-chloropropane	-34.2	
Associated samples: QNSB-105 EB, TRIP BLANK (11/01/2023)			
11/10/23 @01:37 HP5973S	Dichlorodifluoromethane	35.0	The nondetect results for these VOCs in the associated sample were qualified as estimated (UJ).
	Vinyl chloride	23.7	
	Carbon tetrachloride	22.8	
Associated sample: QNSB-MW-103 EB			
11/04/23 @01:58 HP5977K	4-Methyl-2-pentanone	-24.3	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	2-Hexanone	-23.7	
	1,1,2,2-Tetrachloroethane	-23.6	
Associated samples: QNSB-MW-107 EB, TRIP BLANK (10/30/2023)			
11/06/23 @23:43 HP5977K	4-Methyl-2-pentanone	-21.6	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	2-Hexanone	-20.7	
Associated samples: QNSB-MW-106 EB, TRIP BLANK (10/31/2023)			
11/05/23 @08:42 HP5977M	Dichlorodifluoromethane	44.7	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	Chloromethane	51.0	
	Vinyl chloride	36.7	
	Trichlorofluoromethane	28.4	
	1,1,2-Trichloro-1,2,2-trifluoroethane	34.4	
	2-Butanone	20.6	
	Cyclohexane	35.1	
	Methylcyclohexane	22.0	
Associated samples: QNSB-MW-107 (62-65`), QNSB-MW-106 (76-77')			
11/07/23 @20:25 HP5977M	Dichlorodifluoromethane	33.5	The nondetect results for these VOCs in the associated sample were qualified as estimated (UJ).
	Chloromethane	36.2	
	Vinyl chloride	28.8	
	Trichlorofluoromethane	23.5	
	1,1,2-Trichloro-1,2,2-trifluoroethane	23.9	
	2-Butanone	22.9	
	Cyclohexane	33.0	
	Methylcyclohexane	24.8	
Associated sample: QNSB-MW-105 (57-58)			
11/08/23 @19:05 HP5977M	Dichlorodifluoromethane	41.3	The nondetect results for these VOCs in the associated samples were qualified as estimated (UJ).
	Chloromethane	38.1	
	Vinyl chloride	35.7	
	Chloroethane	20.9	
	Trichlorofluoromethane	30.3	
	1,1,2-Trichloro-1,2,2-trifluoroethane	26.0	

CC	Compound	%D	Validation Actions
	Cyclohexane	34.4	
	Methylcyclohexane	24.4	
Associated samples: QNSB-MW-103 (33-34'), DUP-02			
11/13/23 @09:44 HP5977M	Bromomethane	-24.0	The nondetect results for these VOCs in the associated sample were qualified as estimated (UJ).
	Isopropylbenzene	23.8	
Associated sample: QNSB-MW-102 (115-116)			
11/27/23 @11:08 HP5977L	Vinyl chloride	22.0	The nondetect results for this VOC in the associated samples were qualified as estimated (UJ).
Associated samples: QNSB-MW-102 EB, QNSB-MW-101 EB, TRIP BLANK (11/14/2023)			
11/16/23 @19:54 HP5977M	Acetone	-42.9	The positive results for 1,2-dichloroethane, 2-butanone, and acetone in the associated sample were qualified as estimated (J), and the nondetect results for methyl acetate and methyl tert-butyl ether in the associated sample were qualified as estimated (UJ).
	Methyl acetate	-30.9	
	Methyl tert-butyl ether	23.6	
	2-Butanone	-30.4	
	1,2-Dichloroethane	-22.9	
Associated sample: QNSB-MW-101			

1,4-Dioxane

All %RSDs and RRFs were within the method acceptance criteria in the 1,4-dioxane ICs associated with the samples in this data set. All RRFs and %Ds were within the acceptance criteria in the CC standards, with the following exception.

- The %D (-20.3%) for 1,4-dioxane in the CC standard analyzed on 10/24/2023 at 07:29, associated with sample QNSB-MW-110 (77-78), was outside the acceptance limits (± 20%). The nondetect result for 1,4-dioxane in sample QNSB-MW-110 (77-78) was qualified as estimated (UJ) due to the CC nonconformance.

Blanks

Target analytes were detected in the laboratory method blanks for the VOC and 1,4-dioxane analyses. The following table summarizes the target analytes that were detected in the laboratory method blanks, the associated samples, and the resulting validation actions.

Blank ID	Analyte	Blank Concentration	Validation Actions
MB 480-691054/2-A	Methylene chloride	4.15 J µg/Kg	Sample qualification was not required on this basis since the methylene chloride concentration in the associated samples was ≥2× the blank concentration.
Associated samples: QNSB-MW-103 (33-34'), DUP-02			
MB 480-688376/1-A	1,4-Dioxane	0.110 J µg/L	Sample qualification was not required on this basis since 1,4-dioxane was not detected in the associated sample.
Associated sample: QNSB-MW-110 EB			

1,4-Dioxane and target VOCs were detected in select trip blanks and/or equipment blanks. The following table summarizes the target analytes detected in the trip blanks and equipment blanks, the associated samples, and the resulting validation actions.

Blank ID	Analyte	Blank Concentration	Validation Actions
TRIP BLANK (10/17/2023)	Chloroform	0.41 J µg/L	The positive result for chloroform in sample QNSB-MW-110 EB was qualified as nondetect (U) at the QL since this result was <QL. Qualification was not required on this basis for sample QNSB-MW-110 (77-78) since chloroform was not detected in this sample.
Associated samples: QNSB-MW-110 (77-78), QNSB-MW-110 EB			
TRIP BLANK (10/19/2023)	Chloroform	0.59 J µg/L	Sample qualification was not required on this basis since chloroform was nondetect or ≥2× the blank concentration in the associated samples.
Associated samples: QNSB-MW-108 (75-76'), QNSB-MW-104 EB, QNSB-MW-108 EB			
TRIP BLANK (10/23/2023)	Chloroform	0.41 J µg/L	Sample qualification was not required on this basis since chloroform was nondetect in the associated samples.
Associated samples: QNSB-BMW-101 (114-115), QNSB-BMW-101 (194-195), QNSB-BMW-101 EB			
TRIP BLANK (10/30/2023)	Chloroform	0.47 J µg/L	The positive result for chloroform in sample QNSB-MW-107 (62-65`) was qualified as nondetect (U) at the QL since this result was <QL. Qualification was not required on this basis for sample QNSB-MW-107 EB since chloroform was not detected in this sample.
Associated samples: QNSB-MW-107 EB, QNSB-MW-107 (62-65`)			
TRIP BLANK (10/31/2023)	Chloroform	0.47 J µg/L	Sample qualification was not required on this basis since chloroform was nondetect in the associated samples.
Associated samples: QNSB-MW-106 (76-77'), QNSB-MW-106 EB			
TRIP BLANK (11/01/2023)	Chloroform	2.1 µg/L	The positive result for chloroform in sample QNSB-105-EB was qualified as nondetect (U) at the reported concentration since this result was ≥QL and <2× the blank concentration. Qualification was not required on this basis for sample QNSB-MW-105 (57-58) since chloroform was not detected in this sample.
Associated samples: QNSB-MW-105 (57-58), QNSB-105 EB			
TRIP BLANK (11/14/2023)	Chloroform	0.46 J µg/L	The positive result for chloroform in sample QNSB-MW-101 was qualified as nondetect (U) at the QL since the result was <QL. Sample qualification was not required on this basis for the remaining samples since chloroform was ≥2× the blank concentration in these samples.
Associated samples: QNSB-MW-102 EB, QNSB-MW-101, QNSB-MW-101 EB			
QNSB-MW-104 EB	Chloroform	1.7 µg/L	Sample qualification was not required on this basis since chloroform was nondetect in the associated samples.
Associated samples: QNSB-MW-104 64-66, DUP-01			

Blank ID	Analyte	Blank Concentration	Validation Actions
QNSB-MW-108 EB	1,4-Dioxane	0.13 J µg/L	Sample qualification was not required on this basis since 1,4-dioxane was nondetect in the associated sample.
Associated sample: QNSB-MW-108 (75-76')			
QNSB-BMW-101 EB	1,4-Dioxane	0.12 J µg/L	Sample qualification was not required on this basis since 1,4-dioxane was nondetect in the associated samples.
Associated samples: QNSB-BMW-101 (114-115), QNSB-BMW-101 (194-195)			
QNSB-BMW-102 EB	Chloroform	2.5 µg/L	The positive results for chloroform in the associated samples were qualified as nondetect (U) at the QL since the results were <QL.
Associated samples: QNSB-BMW-102 (59-60), QNSB-BMW-102 (76-77)			
QNSB-MW-109 EB	Chloroform	2.6 µg/L	Sample qualification was not required on this basis since chloroform was nondetect in the associated sample.
Associated sample: QNSB-MW-109 (77-78)			
QNSB-MW-103 EB	Chloroform	2.1 µg/L	The positive results for chloroform in the associated samples were qualified as nondetect (U) at the QL since these results were <QL.
Associated samples: QNSB-MW-103 (33-34'), DUP-02			
QNSB-MW-102 EB	Chloroform	2.0 µg/L	Sample qualification was not required on this basis since chloroform was nondetect in the associated sample.
Associated sample: QNSB-MW-102 (115-116)			
QNSB-MW-101 EB	Chloroform	1.7 µg/L	The positive result for chloroform in the associated sample was qualified as nondetect (U) at the QL since the result was <QL.
	Methylene chloride	1.6 µg/L	Sample qualification was not required on this basis since methylene chloride was nondetect in the associated sample.
Associated sample: QNSB-MW-101			

Surrogate Recoveries

The surrogate %Rs met the laboratory acceptance criteria in the VOC and 1,4-dioxane analyses, with the exception of one sample in the VOC analyses. The following table summarizes the surrogate %Rs that did not meet the acceptance criteria, the associated sample, and the resulting validation actions.

Sample ID	Surrogate (VOCs)	%R	%R QC Limits	Validation Actions
QNSB-BMW-102 (76-77)	Toluene-d8	260	71-125	The positive results for acetone, carbon disulfide, and methylene chloride in sample QNSB-BMW-102 (76-77) were qualified as estimated (J). The nondetect results in this sample were subsequently rejected (R) due to internal standard nonconformances; no further validation action was required on the basis of the surrogate nonconformance.
	1,2-Dichloroethane-d4	293	64-126	
	4-Bromofluorobenzene	63	72-126	
	Dibromofluoromethane	497	60-140	

MS/MSD Results

MS/MSD analyses for VOCs and 1,4-dioxane were performed on samples QNSB-MW-104 64-66 and QNSB-MW-103 (33-34'). The MS and MSD %Rs and relative percent differences (RPDs) for 1,4-dioxane met the laboratory acceptance criteria. The following table summarizes the VOC MS and MSD %Rs and RPDs that did not meet the laboratory acceptance criteria and the resulting validation actions.

MS/MSD Parent Sample ID	Compound	MS %R	MSD %R	RPD	MS/MSD QC Limits	Validation Action
QNSB-MW-104 64-66	1,1,2,2-Tetrachloroethane	74	–	–	80-120	The nondetect results for the listed VOCs in sample QNSB-MW-104 64-66 were qualified as estimated (UJ) due to the low MS and/or MSD %Rs. Sample qualification was not required based on the elevated MS/MSD RPD values since the affected VOCs were nondetect.
	1,1,2-Trichloroethane	–	77	–	78-122	
	1,2,4-Trichlorobenzene	15	6	83	64-120/30	
	1,2-Dibromo-3-chloropropane	58	61	–	63-124	
	1,2-Dichlorobenzene	59	41	–	75-120	
	1,2-Dichloroethane	–	76	–	77-122	
	1,3-Dichlorobenzene	52	31	46	74-120/30	
	1,4-Dichlorobenzene	47	28	44	73-120/30	
	2-Butanone	47	61	32	70-134/30	
	2-Hexanone	57	55	–	59-130	
	4-Methyl-2-pentanone	62	63	–	65-133	
	Acetone	43	–	72	61-137/30	
	Bromoform	63	61	–	68-126	
	Chlorobenzene	73	61	–	76-124	
	cis-1,2-Dichloroethene	–	78	–	80-120	
	cis-1,3-Dichloropropene	–	74	–	80-120	
	Ethylbenzene	79	69	–	80-120	
	1,2-Dibromoethane	65	61	–	78-120	
	Methyl acetate	49	–	–	55-136	
	Styrene	62	46	–	80-120	
	Tetrachloroethene	–	71	–	74-122	
	trans-1,2-Dichloroethene	–	70	–	78-126	
	trans-1,3-Dichloropropene	67	59	–	73-123	
	Xylenes, total	73	62	–	80-120	
QNSB-MW-103 (33-34')	1,1,2,2-Tetrachloroethane	79	77	–	80-120	The positive result for acetone in sample QNSB-MW-103 (33-34') was qualified as estimated (J), and the nondetect results for the remaining listed VOCs except chloromethane were qualified as estimated (UJ) in this sample due to the low MS and/or MSD %Rs. Qualification was not required for the
	1,2-Dichloroethane	75	76	–	77-122	
	2-Butanone	50	63	–	70-134	
	Acetone	39	–	60	61-137/30	
	Bromoform	–	67	–	68-126	
	Chloromethane	128	–	–	63-127	
	1,2-Dibromoethane	74	74	–	78-120	

MS/MSD Parent Sample ID	Compound	MS %R	MSD %R	RPD	MS/MSD QC Limits	Validation Action
	Methyl acetate	52	–	–	55-136	nondetect chloromethane result based on the high MS recovery.

Note that the laboratory did not report the MS/MSD %Rs or RPD for total xylenes. These were calculated during validation and were within the laboratory acceptance criteria except as noted.

Internal Standards

Internal standards met the method acceptance criteria in the VOC and 1,4-dioxane analyses, with the exception of VOC analyses of two samples. The following table summarizes the internal standards that did not meet the area count acceptance criteria, the relevant samples, and the validation actions. It should be noted that the laboratory narrative indicated that these samples were reanalyzed and yielded similar internal standard nonconformances.

Sample ID	Internal Standard	%R	%R QC Limits	Validation Actions
QNSB-BMW-101 (194-195)	1,4-Dichlorobenzene-d4	48.7	50-200	The nondetect results for the following VOCs in sample QNSB-BMW-101 (194-195) were qualified as estimated (UJ): 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and isopropylbenzene.
QNSB-BMW-102 (76-77)	Fluorobenzene	4.0	50-200	The positive results for acetone, carbon disulfide, and methylene chloride in sample QNSB-BMW-102 (76-77) were qualified as estimated (J); high bias was not applied since these results were also qualified due to additional QC failures. The nondetect results for the remaining VOCs in this sample were rejected (R) due to internal standard area %Rs <20% of the CC standard internal standard areas.
	Chlorobenzene-d5	0.5	50-200	
	1,4-Dichlorobenzene-d4	0.5	50-200	

LCS/LCSD Results

The laboratory acceptance criteria were met in the LCS and LCSD analyses for 1,4-dioxane. The following table summarizes the VOC LCS and LCSD %Rs that were outside the laboratory acceptance limits, the associated samples, and the validation actions.

LCS ID	Analyte	LCS %R	LCS %R QC Limits	Validation Action
LCS 480-688508/1-A	Cyclohexane	126	65-120	Sample qualification was not required on this basis since the indicated bias was high, and cyclohexane was nondetect in the associated samples.
Associated samples: QNSB-MW-110 (77-78), QNSB-MW-104 64-66, DUP-01				
LCS 480-688787/6	Methyl acetate	71	74-133	The nondetect results for methyl acetate in the associated samples were qualified as estimated (UJ).
Associated samples: QNSB-BMW-101 EB, TRIP BLANK (10/23/2023)				
LCS 480-689565/1-A	Cyclohexane	125	65-120	Sample qualification was not required on this basis since the indicated bias was high, and cyclohexane was nondetect in the associated samples.

LCS ID	Analyte	LCS %R	LCS %R QC Limits	Validation Action
Associated samples: QNSB-BMW-102 (59-60), QNSB-MW-109 (77-78)				
LCS 480-690419/1-A	Chloromethane	132	63-127	Sample qualification was not required on this basis since the indicated bias was high, and these VOCs were nondetect in the associated samples.
	Cyclohexane	123	65-120	
Associated samples: QNSB-MW-107 (62-65`), QNSB-MW-106 (76-77')				
LCS 480-690854/1-A	Chloromethane	129	63-127	Sample qualification was not required on this basis since the indicated bias was high, and these VOCs were nondetect in the associated sample.
	Cyclohexane	126	65-120	
Associated sample: QNSB-MW-105 (57-58)				
LCS 480-692262/1-A	Isopropylbenzene	122	72-120	Sample qualification was not required on this basis since the indicated bias was high, and this VOC was nondetect in the associated sample.
Associated sample: QNSB-MW-101				
LCS 480-693253/6	2-Butanone	154	57-140	Sample qualification was not required on this basis since the indicated bias was high, and this VOC was nondetect in the associated samples.
LCSD 480-693253/21		164		
Associated samples: QNSB-MW-102 EB, QNSB-MW-101 EB, TRIP BLANK (11/14/2023)				

Note that the laboratory did not report the LCS %Rs or RPDs for total xylenes. These were calculated during validation and were within the laboratory's acceptance criteria.

Field Duplicate Results

Two field duplicate pairs were submitted with this sample set: QNSB-MW-104 64-66/DUP-01; QNSB-MW-103 (33-34')/DUP-02. All target analytes were nondetect in samples QNSB-MW-104 64-66 and DUP-01; therefore, these results were in acceptable agreement and no detailed evaluation was required. The following table summarizes the concentrations detected in the second field duplicate pair. Criteria were met (as described below); therefore, no validation action was required on this basis.

Criteria:

- When both results are ≥ 5x the QL, RPD must be ≤ 50% (solids).
- When one or both results are < 5x the QL, absolute difference (AbsD) must be ≤ 2x the QL (solids).
- When one result is nondetect, the QL is used to represent that result in calculating the AbsD.

Analyte	QL (µg/Kg)	QNSB-MW-103 (33-34') (µg/Kg)	DUP-02 (µg/Kg)	RPD (%) or AbsD (µg/Kg)	Validation Action
Acetone	20	6.7 J	ND (20 U)	AbsD: 13.3 (≤2×QL)	Qualification was not required since criteria were met.
Methylene chloride	3.9	8.0	7.3	AbsD: 0.7 (≤2×QL)	

Sample Results and Reported QLs

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

No dilutions were performed for the VOC or 1,4-dioxane analyses.

Target Compound Identification

All criteria were met for the VOC and 1,4-dioxane analyses.

Tentatively Identified Compounds

There were no issues noted regarding VOC TIC identifications. TICs were reported in some of the VOC method blanks and in one trip blank; no TICs were reported in the equipment blanks. The TICs reported in the samples were not affected by the presence of TICs in the blanks because the sample-related TICs were not similar to the TICs reported in the associated blanks.

QUALIFIED FORM 1s

Client Sample ID: QNSB-MW-110 (77-78)
Date Collected: 10/17/23 10:15
Date Received: 10/18/23 11:00

Lab Sample ID: 480-213859-1
Matrix: Solid
Percent Solids: 79.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	U	3.9	0.28	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,1,2,2-Tetrachloroethane	3.9	U	3.9	0.63	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,1,2-Trichloroethane	3.9	U	3.9	0.51	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	U	3.9	0.89	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,1-Dichloroethane	3.9	U	3.9	0.47	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,1-Dichloroethene	3.9	U	3.9	0.48	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,2,4-Trichlorobenzene	3.9	U	3.9	0.24	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,2-Dibromo-3-Chloropropane	3.9	U	3.9	1.9	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,2-Dichlorobenzene	3.9	U	3.9	0.30	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,2-Dichloroethane	3.9	U	3.9	0.20	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,2-Dichloropropane	3.9	U	3.9	1.9	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,3-Dichlorobenzene	3.9	U	3.9	0.20	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,4-Dichlorobenzene	3.9	U	3.9	0.54	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
2-Butanone (MEK)	**3.3**	**J**	19	1.4	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
2-Hexanone	19	U	19	1.9	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
4-Methyl-2-pentanone (MIBK)	19	U	19	1.3	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Acetone	**43**		19	3.3	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Benzene	3.9	U	3.9	0.19	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Bromodichloromethane	3.9	U	3.9	0.52	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Bromoform	3.9	U	3.9	1.9	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Bromomethane	3.9	U	3.9	0.35	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Carbon disulfide	3.9	U	3.9	1.9	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Carbon tetrachloride	3.9	U	3.9	0.38	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Chlorobenzene	3.9	U	3.9	0.51	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Dibromochloromethane	3.9	U	3.9	0.50	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Chloroethane	3.9	U	3.9	0.88	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Chloroform	3.9	U	3.9	0.24	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Chloromethane	3.9	U	3.9	0.23	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
cis-1,2-Dichloroethene	3.9	U	3.9	0.50	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
cis-1,3-Dichloropropene	3.9	U	3.9	0.56	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Cyclohexane	3.9	U	3.9	0.54	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Dichlorodifluoromethane	3.9	~~U~~ UJ	3.9	0.32	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Ethylbenzene	3.9	U	3.9	0.27	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
1,2-Dibromoethane	3.9	U	3.9	0.50	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Isopropylbenzene	3.9	U	3.9	0.59	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Methyl acetate	19	U	19	2.3	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Methyl tert-butyl ether	3.9	U	3.9	0.38	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Methylcyclohexane	3.9	U	3.9	0.59	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Methylene Chloride	3.9	U	3.9	1.8	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Styrene	3.9	U	3.9	0.19	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Tetrachloroethene	3.9	U	3.9	0.52	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Toluene	3.9	U	3.9	0.29	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
trans-1,2-Dichloroethene	3.9	U	3.9	0.40	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
trans-1,3-Dichloropropene	3.9	U	3.9	1.7	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Trichloroethene	3.9	U	3.9	0.86	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Trichlorofluoromethane	3.9	~~U~~ UJ	3.9	0.37	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Vinyl chloride	3.9	U	3.9	0.47	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1
Xylenes, Total	7.8	U	7.8	0.65	ug/Kg	☼	10/18/23 12:00	10/22/23 11:12	1

Client Sample ID: QNSB-MW-110 (77-78)
Date Collected: 10/17/23 10:15
Date Received: 10/18/23 11:00

Lab Sample ID: 480-213859-1
Matrix: Solid
Percent Solids: 79.6

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	10/18/23 12:00	10/22/23 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		71 - 125	10/18/23 12:00	10/22/23 11:12	1
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	10/18/23 12:00	10/22/23 11:12	1
4-Bromofluorobenzene (Surr)	94		72 - 126	10/18/23 12:00	10/22/23 11:12	1
Dibromofluoromethane (Surr)	102		60 - 140	10/18/23 12:00	10/22/23 11:12	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	83	~~U~~ UJ	83	13	ug/Kg	☼	10/24/23 06:49	10/24/23 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		35 - 105	10/24/23 06:49	10/24/23 17:56	1
2-Fluorophenol (Surr)	51		32 - 105	10/24/23 06:49	10/24/23 17:56	1
2,4,6-Tribromophenol (Surr)	54		20 - 119	10/24/23 06:49	10/24/23 17:56	1
Nitrobenzene-d5 (Surr)	59		34 - 109	10/24/23 06:49	10/24/23 17:56	1
Phenol-d5 (Surr)	56		34 - 105	10/24/23 06:49	10/24/23 17:56	1
Terphenyl-d14 (Surr)	56		20 - 117	10/24/23 06:49	10/24/23 17:56	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.0	U	1.0	0.046	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluoropentanoic acid (PFPeA)	0.50	U	0.50	0.026	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.026	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.028	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.053	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.015	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.094	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.035	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.070	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.035	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorotetradecanoic acid (PFTeDA)	0.25	U	0.25	0.021	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.018	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluoropentanesulfonic acid (PFPeS)	0.25	U	0.25	0.016	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.025	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.035	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.070	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorononanesulfonic acid (PFNS)	0.25	U	0.25	0.035	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.025	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorododecanesulfonic acid (PFDoS)	0.25	U	0.25	0.021	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
4:2 FTS	1.0	U	1.0	0.097	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
6:2 FTS	1.0	U	1.0	0.61	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
8:2 FTS	1.0	U	1.0	0.15	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
Perfluorooctanesulfonamide (PFOSA)	0.25	U	0.25	0.015	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
NMeFOSA	0.25	U	0.25	0.030	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
NEtFOSA	0.25	U	0.25	0.039	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
NMeFOSAA	0.25	U	0.25	0.031	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
NEtFOSAA	0.25	U	0.25	0.030	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1

Client Sample ID: QNSB-MW-110 (77-78)
Lab Sample ID: 480-213859-1

Date Collected: 10/17/23 10:15
Matrix: Solid
Date Received: 10/18/23 11:00
Percent Solids: 79.6

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	2.5	U	2.5	0.12	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
NEtFOSE	2.5	U	2.5	0.14	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
HFPO-DA (GenX)	1.0	U	1.0	0.12	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.0	U	1.0	0.10	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
PFMBA	0.50	U	0.50	0.024	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
NFDHA	0.50	U	0.50	0.060	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
PFMPA	0.50	U	0.50	0.11	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
9Cl-PF3ONS	1.0	U	1.0	0.064	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
11Cl-PF3OUdS	1.0	U	1.0	0.15	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
PFEESA	0.50	U	0.50	0.050	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
3:3 FTCA	1.3	U	1.3	0.22	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
5:3 FTCA	6.3	U	6.3	0.46	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1
7:3 FTCA	6.3	U	6.3	0.39	ug/Kg	☼	11/10/23 07:50	11/14/23 14:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*44*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C5 PFPeA	*89*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C5 PFHxA	*90*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C4 PFHpA	*91*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C8 PFOA	*94*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C9 PFNA	*87*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C6 PFDA	*91*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C7 PFUnA	*89*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C2 PFDoA	*85*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C2 PFTeDA	*87*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C3 PFBS	*91*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C3 PFHxS	*92*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C8 PFOS	*81*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C8 FOSA	*76*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
d3-NMeFOSAA	*94*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
d5-NEtFOSAA	*91*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
M2-4:2 FTS	*99*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
M2-6:2 FTS	*96*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
M2-8:2 FTS	*92*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
13C3 HFPO-DA	*86*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
d7-N-MeFOSE-M	*71*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
d9-N-EtFOSE-M	*66*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
d5-NEtPFOSA	*60*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*
d3-NMePFOSA	*62*		*20 - 150*	*11/10/23 07:50*	*11/14/23 14:40*	*1*

Client Sample ID: QNSB-MW-110 EB
Lab Sample ID: 480-213859-2

Date Collected: 10/17/23 12:40
Matrix: Water
Date Received: 10/18/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			10/23/23 19:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/23/23 19:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/23/23 19:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/23/23 19:58	1

Client Sample ID: QNSB-MW-110 EB
Lab Sample ID: 480-213859-2

Date Collected: 10/17/23 12:40
Matrix: Water
Date Received: 10/18/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/23/23 19:58	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/23/23 19:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/23/23 19:58	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/23/23 19:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/23/23 19:58	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/23/23 19:58	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/23/23 19:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/23/23 19:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/23/23 19:58	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/23/23 19:58	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/23/23 19:58	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/23/23 19:58	1
Acetone	10	U	10	3.0	ug/L			10/23/23 19:58	1
Benzene	1.0	U	1.0	0.41	ug/L			10/23/23 19:58	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/23/23 19:58	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/23/23 19:58	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/23/23 19:58	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/23/23 19:58	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/23/23 19:58	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/23/23 19:58	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/23/23 19:58	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/23/23 19:58	1
Chloroform	ND ~~0.73~~ ~~J~~ - 1.0 U		1.0	0.34	ug/L			10/23/23 19:58	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/23/23 19:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/23/23 19:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/23/23 19:58	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/23/23 19:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/23/23 19:58	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/23/23 19:58	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/23/23 19:58	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/23/23 19:58	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/23/23 19:58	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/23/23 19:58	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/23/23 19:58	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/23/23 19:58	1
Styrene	1.0	U	1.0	0.73	ug/L			10/23/23 19:58	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/23/23 19:58	1
Toluene	1.0	U	1.0	0.51	ug/L			10/23/23 19:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/23/23 19:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/23/23 19:58	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/23/23 19:58	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/23/23 19:58	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/23/23 19:58	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/23/23 19:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*10/23/23 19:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/23/23 19:58*	*1*

Client Sample ID: QNSB-MW-110 EB
Lab Sample ID: 480-213859-2

Date Collected: 10/17/23 12:40
Matrix: Water
Date Received: 10/18/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/23/23 19:58*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/23/23 19:58*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/23/23 19:58*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.23	U	0.23	0.11	ug/L		10/20/23 14:07	10/23/23 17:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*45*		*15 - 110*	*10/20/23 14:07*	*10/23/23 17:22*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.8	U	7.8	1.9	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluoropentanoic acid (PFPeA)	3.9	U	3.9	0.97	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorohexanoic acid (PFHxA)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.51	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.62	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.29	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.56	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.39	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.39	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.88	ng/L		10/30/23 11:00	11/01/23 03:31	1
4:2 FTS	7.8	U	7.8	1.7	ng/L		10/30/23 11:00	11/01/23 03:31	1
6:2 FTS	7.8	U	7.8	2.4	ng/L		10/30/23 11:00	11/01/23 03:31	1
8:2 FTS	7.8	U	7.8	2.5	ng/L		10/30/23 11:00	11/01/23 03:31	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
NMeFOSA	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
NEtFOSA	1.9	U	1.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
NMeFOSAA	3.9	U	3.9	1.2	ng/L		10/30/23 11:00	11/01/23 03:31	1
NEtFOSAA	1.9	U	1.9	0.68	ng/L		10/30/23 11:00	11/01/23 03:31	1
NMeFOSE	19	U	19	4.9	ng/L		10/30/23 11:00	11/01/23 03:31	1
NEtFOSE	19	U	19	4.9	ng/L		10/30/23 11:00	11/01/23 03:31	1
HFPO-DA (GenX)	7.8	U	7.8	1.9	ng/L		10/30/23 11:00	11/01/23 03:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.8	U	7.8	1.5	ng/L		10/30/23 11:00	11/01/23 03:31	1
PFMBA	3.9	U	3.9	0.97	ng/L		10/30/23 11:00	11/01/23 03:31	1
NFDHA	3.9	U	3.9	0.97	ng/L		10/30/23 11:00	11/01/23 03:31	1
PFMPA	3.9	U	3.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1

Client Sample ID: QNSB-MW-110 EB
Lab Sample ID: 480-213859-2

Date Collected: 10/17/23 12:40
Matrix: Water
Date Received: 10/18/23 11:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9Cl-PF3ONS	7.8	U	7.8	0.97	ng/L		10/30/23 11:00	11/01/23 03:31	1
11Cl-PF3OUdS	7.8	U	7.8	1.9	ng/L		10/30/23 11:00	11/01/23 03:31	1
PFEESA	3.9	U	3.9	0.49	ng/L		10/30/23 11:00	11/01/23 03:31	1
3:3 FTCA	9.7	U	9.7	1.5	ng/L		10/30/23 11:00	11/01/23 03:31	1
5:3 FTCA	49	U	49	9.7	ng/L		10/30/23 11:00	11/01/23 03:31	1
7:3 FTCA	49	U	49	9.7	ng/L		10/30/23 11:00	11/01/23 03:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*10 - 130*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C5 PFPeA	*92*		*35 - 150*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C5 PFHxA	*87*		*55 - 150*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C4 PFHpA	*94*		*55 - 150*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C8 PFOA	*92*		*60 - 140*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C9 PFNA	*90*		*55 - 140*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C6 PFDA	*87*		*50 - 140*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C7 PFUnA	*88*		*30 - 140*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C2 PFDoA	*102*		*10 - 150*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C2 PFTeDA	*72*		*10 - 130*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C3 PFBS	*93*		*55 - 150*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C3 PFHxS	*94*		*55 - 150*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C8 PFOS	*93*		*45 - 140*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C8 FOSA	*104*		*30 - 130*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
d3-NMeFOSAA	*106*		*45 - 200*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
d5-NEtFOSAA	*97*		*10 - 200*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
M2-4:2 FTS	*116*		*60 - 200*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
M2-6:2 FTS	*107*		*60 - 200*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
M2-8:2 FTS	*105*		*50 - 200*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
13C3 HFPO-DA	*85*		*25 - 160*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
d7-N-MeFOSE-M	*96*		*10 - 150*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
d5-NEtPFOSA	*76*		*10 - 130*	*10/30/23 11:00*	*11/01/23 03:31*	*1*
d3-NMePFOSA	*74*		*15 - 130*	*10/30/23 11:00*	*11/01/23 03:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	4.0	U	4.0	4.0	mg/L			10/26/23 10:58	1

Client Sample ID: TRIP BLANK (10/17/2023)
Lab Sample ID: 480-213859-3

Date Collected: 10/17/23 00:00
Matrix: Water
Date Received: 10/18/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			10/22/23 15:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/22/23 15:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/22/23 15:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/22/23 15:43	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/22/23 15:43	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/22/23 15:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/22/23 15:43	1

Client Sample ID: TRIP BLANK (10/17/2023)
Lab Sample ID: 480-213859-3
Date Collected: 10/17/23 00:00
Matrix: Water
Date Received: 10/18/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/22/23 15:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/22/23 15:43	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/22/23 15:43	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/22/23 15:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/22/23 15:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/22/23 15:43	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/22/23 15:43	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/22/23 15:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/22/23 15:43	1
Acetone	10	U	10	3.0	ug/L			10/22/23 15:43	1
Benzene	1.0	U	1.0	0.41	ug/L			10/22/23 15:43	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/22/23 15:43	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/22/23 15:43	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/22/23 15:43	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/22/23 15:43	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/22/23 15:43	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/22/23 15:43	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/22/23 15:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/22/23 15:43	1
Chloroform	**0.41**	**J**	1.0	0.34	ug/L			10/22/23 15:43	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/22/23 15:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/22/23 15:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/22/23 15:43	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/22/23 15:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/22/23 15:43	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/22/23 15:43	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/22/23 15:43	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/22/23 15:43	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/22/23 15:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/22/23 15:43	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/22/23 15:43	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/22/23 15:43	1
Styrene	1.0	U	1.0	0.73	ug/L			10/22/23 15:43	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/22/23 15:43	1
Toluene	1.0	U	1.0	0.51	ug/L			10/22/23 15:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/22/23 15:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/22/23 15:43	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/22/23 15:43	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/22/23 15:43	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/22/23 15:43	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/22/23 15:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*10/22/23 15:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/22/23 15:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/22/23 15:43*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/22/23 15:43*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/22/23 15:43*	*1*

Client Sample ID: QNSB-MW-104 64-66
Lab Sample ID: 480-213974-1

Date Collected: 10/18/23 17:00
Matrix: Solid

Date Received: 10/20/23 11:00
Percent Solids: 86.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.4	U	3.4	0.25	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,1,2,2-Tetrachloroethane	3.4	U F1 UJ	3.4	0.55	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,1,2-Trichloroethane	3.4	U F1 UJ	3.4	0.44	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.4	U	3.4	0.77	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,1-Dichloroethane	3.4	U	3.4	0.41	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,1-Dichloroethene	3.4	U	3.4	0.42	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,2,4-Trichlorobenzene	3.4	U F1 F2 UJ	3.4	0.21	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,2-Dibromo-3-Chloropropane	3.4	U F1 UJ	3.4	1.7	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,2-Dichlorobenzene	3.4	U F1 UJ	3.4	0.27	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,2-Dichloroethane	3.4	U F1 UJ	3.4	0.17	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,2-Dichloropropane	3.4	U	3.4	1.7	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,3-Dichlorobenzene	3.4	U F1 F2 UJ	3.4	0.17	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,4-Dichlorobenzene	3.4	U F1 F2 UJ	3.4	0.47	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
2-Butanone (MEK)	17	U F1 F2 UJ	17	1.2	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
2-Hexanone	17	U F1 UJ	17	1.7	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
4-Methyl-2-pentanone (MIBK)	17	U F1 UJ	17	1.1	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Acetone	17	U F1 F2 UJ	17	2.9	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Benzene	3.4	U	3.4	0.17	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Bromodichloromethane	3.4	U	3.4	0.45	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Bromoform	3.4	U F1 UJ	3.4	1.7	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Bromomethane	3.4	U	3.4	0.31	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Carbon disulfide	3.4	U	3.4	1.7	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Carbon tetrachloride	3.4	U	3.4	0.33	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Chlorobenzene	3.4	U F1 UJ	3.4	0.45	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Dibromochloromethane	3.4	U	3.4	0.43	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Chloroethane	3.4	U	3.4	0.77	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Chloroform	3.4	U	3.4	0.21	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Chloromethane	3.4	U	3.4	0.20	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
cis-1,2-Dichloroethene	3.4	U F1 UJ	3.4	0.43	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
cis-1,3-Dichloropropene	3.4	U F1 UJ	3.4	0.49	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Cyclohexane	3.4	U	3.4	0.47	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Dichlorodifluoromethane	3.4	U UJ	3.4	0.28	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Ethylbenzene	3.4	U F1 UJ	3.4	0.23	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
1,2-Dibromoethane	3.4	U F1 UJ	3.4	0.44	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Isopropylbenzene	3.4	U	3.4	0.51	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Methyl acetate	17	U F1 UJ	17	2.0	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Methyl tert-butyl ether	3.4	U	3.4	0.33	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Methylcyclohexane	3.4	U	3.4	0.52	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Methylene Chloride	3.4	U	3.4	1.6	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Styrene	3.4	U F1 UJ	3.4	0.17	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Tetrachloroethene	3.4	U F1 UJ	3.4	0.46	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Toluene	3.4	U	3.4	0.26	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
trans-1,2-Dichloroethene	3.4	U F1 UJ	3.4	0.35	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
trans-1,3-Dichloropropene	3.4	U F1 UJ	3.4	1.5	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Trichloroethene	3.4	U	3.4	0.75	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Trichlorofluoromethane	3.4	U UJ	3.4	0.32	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Vinyl chloride	3.4	U	3.4	0.41	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1
Xylenes, Total	6.8	U F1 UJ	6.8	0.57	ug/Kg	☼	10/20/23 12:00	10/22/23 15:15	1

Client Sample ID: QNSB-MW-104 64-66
Date Collected: 10/18/23 17:00
Date Received: 10/20/23 11:00

Lab Sample ID: 480-213974-1
Matrix: Solid
Percent Solids: 86.9

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	10/20/23 12:00	10/22/23 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		71 - 125	10/20/23 12:00	10/22/23 15:15	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	10/20/23 12:00	10/22/23 15:15	1
4-Bromofluorobenzene (Surr)	87		72 - 126	10/20/23 12:00	10/22/23 15:15	1
Dibromofluoromethane (Surr)	105		60 - 140	10/20/23 12:00	10/22/23 15:15	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	76	U	76	12	ug/Kg	☼	10/26/23 09:14	10/30/23 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	52		35 - 105	10/26/23 09:14	10/30/23 15:46	1
2-Fluorophenol (Surr)	50		32 - 105	10/26/23 09:14	10/30/23 15:46	1
2,4,6-Tribromophenol (Surr)	44		20 - 119	10/26/23 09:14	10/30/23 15:46	1
Nitrobenzene-d5 (Surr)	58		34 - 109	10/26/23 09:14	10/30/23 15:46	1
Phenol-d5 (Surr)	52		34 - 105	10/26/23 09:14	10/30/23 15:46	1
Terphenyl-d14 (Surr)	53		20 - 117	10/26/23 09:14	10/30/23 15:46	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.87	U	0.87	0.040	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluoropentanoic acid (PFPeA)	0.43	U	0.43	0.023	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.023	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.024	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.046	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.013	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.081	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.030	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.061	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.030	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorotetradecanoic acid (PFTeDA)	0.22	U	0.22	0.018	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.015	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluoropentanesulfonic acid (PFPeS)	0.22	U	0.22	0.014	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.022	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.030	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.061	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorononanesulfonic acid (PFNS)	0.22	U	0.22	0.030	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.022	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorododecanesulfonic acid (PFDoS)	0.22	U	0.22	0.018	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
4:2 FTS	0.87	U	0.87	0.084	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
6:2 FTS	0.87	U	0.87	0.53	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
8:2 FTS	0.87	U	0.87	0.13	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
Perfluorooctanesulfonamide (PFOSA)	0.22	U	0.22	0.013	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
NMeFOSA	0.22	U	0.22	0.026	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
NEtFOSA	0.22	U	0.22	0.034	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
NMeFOSAA	0.22	U	0.22	0.027	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
NEtFOSAA	0.22	U	0.22	0.026	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1

Client Sample ID: QNSB-MW-104 64-66

Lab Sample ID: 480-213974-1
Date Collected: 10/18/23 17:00
Matrix: Solid
Date Received: 10/20/23 11:00
Percent Solids: 86.9

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	2.2	U	2.2	0.11	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
NEtFOSE	2.2	U	2.2	0.12	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
HFPO-DA (GenX)	0.87	U	0.87	0.10	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.87	U	0.87	0.088	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
PFMBA	0.43	U	0.43	0.021	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
NFDHA	0.43	U	0.43	0.052	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
PFMPA	0.43	U	0.43	0.099	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
9Cl-PF3ONS	0.87	U	0.87	0.055	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
11Cl-PF3OUdS	0.87	U	0.87	0.13	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
PFEESA	0.43	U	0.43	0.043	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
3:3 FTCA	1.1	U	1.1	0.19	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
5:3 FTCA	5.4	U	5.4	0.40	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1
7:3 FTCA	5.4	U	5.4	0.33	ug/Kg	☼	11/10/23 07:50	11/14/23 15:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*55*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C5 PFPeA	*89*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C5 PFHxA	*92*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C4 PFHpA	*90*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C8 PFOA	*97*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C9 PFNA	*94*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C6 PFDA	*101*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C7 PFUnA	*94*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C2 PFDoA	*86*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C2 PFTeDA	*96*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C3 PFBS	*95*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C3 PFHxS	*91*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C8 PFOS	*79*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C8 FOSA	*76*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
d3-NMeFOSAA	*92*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
d5-NEtFOSAA	*86*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
M2-4:2 FTS	*91*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
M2-6:2 FTS	*88*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
M2-8:2 FTS	*92*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
13C3 HFPO-DA	*89*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
d7-N-MeFOSE-M	*77*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
d9-N-EtFOSE-M	*72*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
d5-NEtPFOSA	*63*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*
d3-NMePFOSA	*62*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:00*	*1*

Client Sample ID: DUP-01

Lab Sample ID: 480-213974-2
Date Collected: 10/18/23 12:00
Matrix: Solid
Date Received: 10/20/23 11:00
Percent Solids: 81.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.7	U	3.7	0.27	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,1,2,2-Tetrachloroethane	3.7	U	3.7	0.60	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,1,2-Trichloroethane	3.7	U	3.7	0.48	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.7	U	3.7	0.85	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1

Client Sample ID: DUP-01
Date Collected: 10/18/23 12:00
Date Received: 10/20/23 11:00

Lab Sample ID: 480-213974-2
Matrix: Solid
Percent Solids: 81.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	3.7	U	3.7	0.45	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,1-Dichloroethene	3.7	U	3.7	0.45	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,2,4-Trichlorobenzene	3.7	U	3.7	0.23	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,2-Dibromo-3-Chloropropane	3.7	U	3.7	1.9	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,2-Dichlorobenzene	3.7	U	3.7	0.29	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,2-Dichloroethane	3.7	U	3.7	0.19	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,2-Dichloropropane	3.7	U	3.7	1.9	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,3-Dichlorobenzene	3.7	U	3.7	0.19	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,4-Dichlorobenzene	3.7	U	3.7	0.52	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
2-Hexanone	19	U	19	1.9	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
4-Methyl-2-pentanone (MIBK)	19	U	19	1.2	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Acetone	19	U	19	3.1	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Benzene	3.7	U	3.7	0.18	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Bromodichloromethane	3.7	U	3.7	0.50	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Bromoform	3.7	U	3.7	1.9	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Bromomethane	3.7	U	3.7	0.33	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Carbon disulfide	3.7	U	3.7	1.9	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Carbon tetrachloride	3.7	U	3.7	0.36	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Chlorobenzene	3.7	U	3.7	0.49	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Dibromochloromethane	3.7	U	3.7	0.47	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Chloroethane	3.7	U	3.7	0.84	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Chloroform	3.7	U	3.7	0.23	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Chloromethane	3.7	U	3.7	0.22	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
cis-1,2-Dichloroethene	3.7	U	3.7	0.47	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
cis-1,3-Dichloropropene	3.7	U	3.7	0.53	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Cyclohexane	3.7	~~U~~	3.7	0.52	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Dichlorodifluoromethane	3.7	~~U~~ UJ	3.7	0.31	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Ethylbenzene	3.7	U	3.7	0.26	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
1,2-Dibromoethane	3.7	U	3.7	0.48	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Isopropylbenzene	3.7	U	3.7	0.56	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Methyl acetate	19	U	19	2.2	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Methyl tert-butyl ether	3.7	U	3.7	0.36	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Methylcyclohexane	3.7	U	3.7	0.56	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Methylene Chloride	3.7	U	3.7	1.7	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Styrene	3.7	U	3.7	0.19	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Tetrachloroethene	3.7	U	3.7	0.50	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Toluene	3.7	U	3.7	0.28	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
trans-1,2-Dichloroethene	3.7	U	3.7	0.38	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
trans-1,3-Dichloropropene	3.7	U	3.7	1.6	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Trichloroethene	3.7	U	3.7	0.82	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Trichlorofluoromethane	3.7	~~U~~ UJ	3.7	0.35	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Vinyl chloride	3.7	U	3.7	0.45	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1
Xylenes, Total	7.4	U	7.4	0.62	ug/Kg	☼	10/20/23 12:00	10/22/23 15:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*10/20/23 12:00*	*10/22/23 15:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*71 - 125*	*10/20/23 12:00*	*10/22/23 15:40*	*1*

Client Sample ID: DUP-01
Date Collected: 10/18/23 12:00
Date Received: 10/20/23 11:00

Lab Sample ID: 480-213974-2
Matrix: Solid
Percent Solids: 81.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*10/20/23 12:00*	*10/22/23 15:40*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*	*10/20/23 12:00*	*10/22/23 15:40*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*10/20/23 12:00*	*10/22/23 15:40*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	80	U	80	13	ug/Kg	☼	10/26/23 09:14	10/30/23 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*35 - 105*	*10/26/23 09:14*	*10/30/23 16:50*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*10/26/23 09:14*	*10/30/23 16:50*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*20 - 119*	*10/26/23 09:14*	*10/30/23 16:50*	*1*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*10/26/23 09:14*	*10/30/23 16:50*	*1*
Phenol-d5 (Surr)	*66*		*34 - 105*	*10/26/23 09:14*	*10/30/23 16:50*	*1*
Terphenyl-d14 (Surr)	*64*		*20 - 117*	*10/26/23 09:14*	*10/30/23 16:50*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.95	U	0.95	0.044	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluoropentanoic acid (PFPeA)	0.47	U	0.47	0.025	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.025	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.026	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.050	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.014	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.089	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.033	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.066	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.033	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorotetradecanoic acid (PFTeDA)	0.24	U	0.24	0.020	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.017	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluoropentanesulfonic acid (PFPeS)	0.24	U	0.24	0.015	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.024	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.033	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.066	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorononanesulfonic acid (PFNS)	0.24	U	0.24	0.033	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.024	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorododecanesulfonic acid (PFDoS)	0.24	U	0.24	0.020	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
4:2 FTS	0.95	U	0.95	0.091	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
6:2 FTS	0.95	U	0.95	0.57	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
8:2 FTS	0.95	U	0.95	0.14	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
Perfluorooctanesulfonamide (PFOSA)	0.24	U	0.24	0.014	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
NMeFOSA	0.24	U	0.24	0.028	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
NEtFOSA	0.24	U	0.24	0.037	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
NMeFOSAA	0.24	U	0.24	0.030	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
NEtFOSAA	0.24	U	0.24	0.028	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
NMeFOSE	2.4	U	2.4	0.12	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
NEtFOSE	2.4	U	2.4	0.13	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1

Client Sample ID: DUP-01
Date Collected: 10/18/23 12:00
Date Received: 10/20/23 11:00

Lab Sample ID: 480-213974-2
Matrix: Solid
Percent Solids: 81.0

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	0.95	U	0.95	0.11	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.95	U	0.95	0.096	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
PFMBA	0.47	U	0.47	0.023	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
NFDHA	0.47	U	0.47	0.057	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
PFMPA	0.47	U	0.47	0.11	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
9Cl-PF3ONS	0.95	U	0.95	0.061	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
11Cl-PF3OUdS	0.95	U	0.95	0.14	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
PFEESA	0.47	U	0.47	0.047	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
3:3 FTCA	1.2	U	1.2	0.21	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
5:3 FTCA	5.9	U	5.9	0.43	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1
7:3 FTCA	5.9	U	5.9	0.36	ug/Kg	☼	11/10/23 07:50	11/14/23 15:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C5 PFPeA	*88*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C5 PFHxA	*93*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C4 PFHpA	*85*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C8 PFOA	*91*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C9 PFNA	*90*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C6 PFDA	*86*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C7 PFUnA	*84*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C2 PFDoA	*69*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C2 PFTeDA	*59*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C3 PFBS	*91*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C3 PFHxS	*98*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C8 PFOS	*82*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C8 FOSA	*69*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
d3-NMeFOSAA	*76*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
d5-NEtFOSAA	*74*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
M2-4:2 FTS	*92*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
M2-6:2 FTS	*84*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
M2-8:2 FTS	*84*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
13C3 HFPO-DA	*87*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
d7-N-MeFOSE-M	*48*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
d9-N-EtFOSE-M	*46*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
d5-NEtPFOSA	*46*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*
d3-NMePFOSA	*44*		*20 - 150*	*11/10/23 07:50*	*11/14/23 15:58*	*1*

Client Sample ID: QNSB-MW-108 (75-76')
Date Collected: 10/19/23 15:15
Date Received: 10/21/23 10:00

Lab Sample ID: 480-214009-1
Matrix: Solid
Percent Solids: 82.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.73	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	~~U~~ UJ	4.5	1.0	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,1-Dichloroethene	4.5	U	4.5	0.55	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1

Client Sample ID: QNSB-MW-108 (75-76')
Lab Sample ID: 480-214009-1
Date Collected: 10/19/23 15:15
Matrix: Solid
Date Received: 10/21/23 10:00
Percent Solids: 82.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	4.5	U	4.5	0.27	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,4-Dichlorobenzene	4.5	U	4.5	0.63	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Acetone	23	U	23	3.8	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Chloroethane	4.5	U	4.5	1.0	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Chloromethane	4.5	U	4.5	0.27	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Cyclohexane	4.5	~~U~~ UJ	4.5	0.63	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Dichlorodifluoromethane	4.5	~~U~~ UJ	4.5	0.37	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Methyl acetate	23	U	23	2.7	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Methylcyclohexane	4.5	~~U~~ UJ	4.5	0.69	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Styrene	4.5	U	4.5	0.23	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Trichloroethene	4.5	U	4.5	0.99	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Trichlorofluoromethane	4.5	~~U~~ UJ	4.5	0.43	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Vinyl chloride	4.5	~~U~~ UJ	4.5	0.55	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1
Xylenes, Total	9.0	U	9.0	0.76	ug/Kg	☼	10/21/23 13:10	10/23/23 23:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*10/21/23 13:10*	*10/23/23 23:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 125*	*10/21/23 13:10*	*10/23/23 23:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*10/21/23 13:10*	*10/23/23 23:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*10/21/23 13:10*	*10/23/23 23:45*	*1*

Client Sample ID: QNSB-MW-108 (75-76')
Lab Sample ID: 480-214009-1

Date Collected: 10/19/23 15:15
Matrix: Solid

Date Received: 10/21/23 10:00
Percent Solids: 82.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*10/21/23 13:10*	*10/23/23 23:45*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	79	U	79	12	ug/Kg	☼	10/26/23 09:14	10/30/23 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*35 - 105*	*10/26/23 09:14*	*10/30/23 17:12*	*1*
2-Fluorophenol (Surr)	*53*		*32 - 105*	*10/26/23 09:14*	*10/30/23 17:12*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*20 - 119*	*10/26/23 09:14*	*10/30/23 17:12*	*1*
Nitrobenzene-d5 (Surr)	*67*		*34 - 109*	*10/26/23 09:14*	*10/30/23 17:12*	*1*
Phenol-d5 (Surr)	*57*		*34 - 105*	*10/26/23 09:14*	*10/30/23 17:12*	*1*
Terphenyl-d14 (Surr)	*55*		*20 - 117*	*10/26/23 09:14*	*10/30/23 17:12*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.97	U	0.97	0.045	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluoropentanoic acid (PFPeA)	0.49	U	0.49	0.026	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.026	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.027	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.051	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.015	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.091	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.034	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.068	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.034	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorotetradecanoic acid (PFTeDA)	0.24	U	0.24	0.021	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.017	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluoropentanesulfonic acid (PFPeS)	0.24	U	0.24	0.016	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.024	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.034	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.068	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorononanesulfonic acid (PFNS)	0.24	U	0.24	0.034	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.024	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorododecanesulfonic acid (PFDoS)	0.24	U	0.24	0.021	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
4:2 FTS	0.97	U	0.97	0.094	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
6:2 FTS	0.97	U	0.97	0.59	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
8:2 FTS	0.97	U	0.97	0.14	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
Perfluorooctanesulfonamide (PFOSA)	0.24	U	0.24	0.015	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
NMeFOSA	0.24	U	0.24	0.029	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
NEtFOSA	0.24	U	0.24	0.038	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
NMeFOSAA	0.24	U	0.24	0.030	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
NEtFOSAA	0.24	U	0.24	0.029	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
NMeFOSE	2.4	U	2.4	0.12	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
NEtFOSE	2.4	U	2.4	0.13	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
HFPO-DA (GenX)	0.97	U	0.97	0.11	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.97	U	0.97	0.099	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1

Client Sample ID: QNSB-MW-108 (75-76')
Lab Sample ID: 480-214009-1

Date Collected: 10/19/23 15:15
Matrix: Solid
Date Received: 10/21/23 10:00
Percent Solids: 82.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFMBA	0.49	U	0.49	0.023	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
NFDHA	0.49	U	0.49	0.058	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
PFMPA	0.49	U	0.49	0.11	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
9Cl-PF3ONS	0.97	U	0.97	0.062	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
11Cl-PF3OUdS	0.97	U	0.97	0.15	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
PFEESA	0.49	U	0.49	0.049	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
3:3 FTCA	1.2	U	1.2	0.21	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
5:3 FTCA	6.1	U	6.1	0.44	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1
7:3 FTCA	6.1	U	6.1	0.37	ug/Kg	☼	11/06/23 12:26	11/09/23 15:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C5 PFPeA	*84*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C5 PFHxA	*88*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C4 PFHpA	*98*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C8 PFOA	*97*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C9 PFNA	*92*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C6 PFDA	*90*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C7 PFUnA	*90*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C2 PFDoA	*83*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C2 PFTeDA	*70*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C3 PFBS	*81*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C3 PFHxS	*94*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C8 PFOS	*86*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C8 FOSA	*88*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
d3-NMeFOSAA	*65*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
d5-NEtFOSAA	*63*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
M2-4:2 FTS	*61*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
M2-6:2 FTS	*67*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
M2-8:2 FTS	*64*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
13C3 HFPO-DA	*96*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
d7-N-MeFOSE-M	*64*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
d9-N-EtFOSE-M	*66*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
d5-NEtPFOSA	*57*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*
d3-NMePFOSA	*58*		*20 - 150*	*11/06/23 12:26*	*11/09/23 15:51*	*1*

Client Sample ID: QNSB-MW-104 EB
Lab Sample ID: 480-214009-2

Date Collected: 10/19/23 08:45
Matrix: Water
Date Received: 10/21/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			10/25/23 08:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/25/23 08:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/25/23 08:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/25/23 08:08	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/25/23 08:08	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/25/23 08:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/25/23 08:08	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/25/23 08:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/25/23 08:08	1

Client Sample ID: QNSB-MW-104 EB
Lab Sample ID: 480-214009-2

Date Collected: 10/19/23 08:45
Matrix: Water
Date Received: 10/21/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/25/23 08:08	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/25/23 08:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/25/23 08:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/25/23 08:08	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/23 08:08	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/25/23 08:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/25/23 08:08	1
Acetone	10	U	10	3.0	ug/L			10/25/23 08:08	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/23 08:08	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/25/23 08:08	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/25/23 08:08	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/25/23 08:08	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/25/23 08:08	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/25/23 08:08	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/25/23 08:08	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/25/23 08:08	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/25/23 08:08	1
Chloroform	**1.7**		1.0	0.34	ug/L			10/25/23 08:08	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/25/23 08:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/25/23 08:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/25/23 08:08	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/25/23 08:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/25/23 08:08	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/25/23 08:08	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/25/23 08:08	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/25/23 08:08	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/25/23 08:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/25/23 08:08	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/25/23 08:08	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/25/23 08:08	1
Styrene	1.0	U	1.0	0.73	ug/L			10/25/23 08:08	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/25/23 08:08	1
Toluene	1.0	U	1.0	0.51	ug/L			10/25/23 08:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/25/23 08:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/25/23 08:08	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/25/23 08:08	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/25/23 08:08	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/25/23 08:08	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/25/23 08:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*10/25/23 08:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/25/23 08:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/25/23 08:08*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/25/23 08:08*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/25/23 08:08*	*1*

Client Sample ID: QNSB-MW-104 EB
Lab Sample ID: 480-214009-2

Date Collected: 10/19/23 08:45
Matrix: Water
Date Received: 10/21/23 10:00

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.22	U	0.22	0.11	ug/L		10/23/23 15:57	10/24/23 15:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*42*		*15 - 110*	*10/23/23 15:57*	*10/24/23 15:51*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.8	U	7.8	1.9	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluoropentanoic acid (PFPeA)	3.9	U	3.9	0.97	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorohexanoic acid (PFHxA)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.51	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.62	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.29	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.56	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.39	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.39	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.88	ng/L		11/01/23 08:24	11/03/23 05:24	1
4:2 FTS	7.8	U	7.8	1.7	ng/L		11/01/23 08:24	11/03/23 05:24	1
6:2 FTS	7.8	U	7.8	2.4	ng/L		11/01/23 08:24	11/03/23 05:24	1
8:2 FTS	7.8	U	7.8	2.5	ng/L		11/01/23 08:24	11/03/23 05:24	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
NMeFOSA	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
NEtFOSA	1.9	U	1.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
NMeFOSAA	3.9	U	3.9	1.2	ng/L		11/01/23 08:24	11/03/23 05:24	1
NEtFOSAA	1.9	U	1.9	0.68	ng/L		11/01/23 08:24	11/03/23 05:24	1
NMeFOSE	19	U	19	4.9	ng/L		11/01/23 08:24	11/03/23 05:24	1
NEtFOSE	19	U	19	4.9	ng/L		11/01/23 08:24	11/03/23 05:24	1
HFPO-DA (GenX)	7.8	U	7.8	1.9	ng/L		11/01/23 08:24	11/03/23 05:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.8	U	7.8	1.5	ng/L		11/01/23 08:24	11/03/23 05:24	1
PFMBA	3.9	U	3.9	0.97	ng/L		11/01/23 08:24	11/03/23 05:24	1
NFDHA	3.9	U	3.9	0.97	ng/L		11/01/23 08:24	11/03/23 05:24	1
PFMPA	3.9	U	3.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
9Cl-PF3ONS	7.8	U	7.8	0.97	ng/L		11/01/23 08:24	11/03/23 05:24	1
11Cl-PF3OUdS	7.8	U	7.8	1.9	ng/L		11/01/23 08:24	11/03/23 05:24	1
PFEESA	3.9	U	3.9	0.49	ng/L		11/01/23 08:24	11/03/23 05:24	1
3:3 FTCA	9.7	U	9.7	1.5	ng/L		11/01/23 08:24	11/03/23 05:24	1
5:3 FTCA	49	U	49	9.7	ng/L		11/01/23 08:24	11/03/23 05:24	1
7:3 FTCA	49	U	49	9.7	ng/L		11/01/23 08:24	11/03/23 05:24	1

Client Sample ID: QNSB-MW-104 EB
Lab Sample ID: 480-214009-2

Date Collected: 10/19/23 08:45
Matrix: Water
Date Received: 10/21/23 10:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83		10 - 130	11/01/23 08:24	11/03/23 05:24	1
13C5 PFPeA	98		35 - 150	11/01/23 08:24	11/03/23 05:24	1
13C5 PFHxA	89		55 - 150	11/01/23 08:24	11/03/23 05:24	1
13C4 PFHpA	88		55 - 150	11/01/23 08:24	11/03/23 05:24	1
13C8 PFOA	83		60 - 140	11/01/23 08:24	11/03/23 05:24	1
13C9 PFNA	89		55 - 140	11/01/23 08:24	11/03/23 05:24	1
13C6 PFDA	88		50 - 140	11/01/23 08:24	11/03/23 05:24	1
13C7 PFUnA	89		30 - 140	11/01/23 08:24	11/03/23 05:24	1
13C2 PFDoA	88		10 - 150	11/01/23 08:24	11/03/23 05:24	1
13C2 PFTeDA	72		10 - 130	11/01/23 08:24	11/03/23 05:24	1
13C3 PFBS	90		55 - 150	11/01/23 08:24	11/03/23 05:24	1
13C3 PFHxS	92		55 - 150	11/01/23 08:24	11/03/23 05:24	1
13C8 PFOS	90		45 - 140	11/01/23 08:24	11/03/23 05:24	1
13C8 FOSA	88		30 - 130	11/01/23 08:24	11/03/23 05:24	1
d3-NMeFOSAA	95		45 - 200	11/01/23 08:24	11/03/23 05:24	1
d5-NEtFOSAA	87		10 - 200	11/01/23 08:24	11/03/23 05:24	1
M2-4:2 FTS	114		60 - 200	11/01/23 08:24	11/03/23 05:24	1
M2-6:2 FTS	104		60 - 200	11/01/23 08:24	11/03/23 05:24	1
M2-8:2 FTS	105		50 - 200	11/01/23 08:24	11/03/23 05:24	1
13C3 HFPO-DA	89		25 - 160	11/01/23 08:24	11/03/23 05:24	1
d7-N-MeFOSE-M	87		10 - 150	11/01/23 08:24	11/03/23 05:24	1
d9-N-EtFOSE-M	86		10 - 150	11/01/23 08:24	11/03/23 05:24	1
d5-NEtPFOSA	75		10 - 130	11/01/23 08:24	11/03/23 05:24	1
d3-NMePFOSA	75		15 - 130	11/01/23 08:24	11/03/23 05:24	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	4.0	U	4.0	4.0	mg/L			10/27/23 10:28	1

Client Sample ID: QNSB-MW-108 EB
Lab Sample ID: 480-214009-3

Date Collected: 10/19/23 15:30
Matrix: Water
Date Received: 10/21/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			10/25/23 08:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/25/23 08:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/25/23 08:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/25/23 08:30	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/25/23 08:30	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/25/23 08:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/25/23 08:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/25/23 08:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/25/23 08:30	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/25/23 08:30	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/25/23 08:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/25/23 08:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/25/23 08:30	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/23 08:30	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/25/23 08:30	1

Client Sample ID: QNSB-MW-108 EB
Lab Sample ID: 480-214009-3

Date Collected: 10/19/23 15:30
Matrix: Water
Date Received: 10/21/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/25/23 08:30	1
Acetone	10	U	10	3.0	ug/L			10/25/23 08:30	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/23 08:30	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/25/23 08:30	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/25/23 08:30	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/25/23 08:30	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/25/23 08:30	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/25/23 08:30	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/25/23 08:30	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/25/23 08:30	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/25/23 08:30	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/25/23 08:30	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/25/23 08:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/25/23 08:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/25/23 08:30	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/25/23 08:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/25/23 08:30	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/25/23 08:30	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/25/23 08:30	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/25/23 08:30	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/25/23 08:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/25/23 08:30	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/25/23 08:30	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/25/23 08:30	1
Styrene	1.0	U	1.0	0.73	ug/L			10/25/23 08:30	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/25/23 08:30	1
Toluene	1.0	U	1.0	0.51	ug/L			10/25/23 08:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/25/23 08:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/25/23 08:30	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/25/23 08:30	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/25/23 08:30	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/25/23 08:30	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/25/23 08:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*10/25/23 08:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/25/23 08:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/25/23 08:30*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/25/23 08:30*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/25/23 08:30*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.13**	**J**	0.22	0.11	ug/L		10/23/23 15:57	10/24/23 16:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*15 - 110*	*10/23/23 15:57*	*10/24/23 16:08*	*1*

Client Sample ID: QNSB-MW-108 EB
Lab Sample ID: 480-214009-3

Date Collected: 10/19/23 15:30
Matrix: Water
Date Received: 10/21/23 10:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C9 PFNA	*86*		*55 - 140*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C6 PFDA	*84*		*50 - 140*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C7 PFUnA	*81*		*30 - 140*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C2 PFDoA	*78*		*10 - 150*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C2 PFTeDA	*72*		*10 - 130*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C3 PFBS	*84*		*55 - 150*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C3 PFHxS	*80*		*55 - 150*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C8 PFOS	*83*		*45 - 140*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C8 FOSA	*83*		*30 - 130*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
d3-NMeFOSAA	*95*		*45 - 200*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
d5-NEtFOSAA	*93*		*10 - 200*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
M2-4:2 FTS	*108*		*60 - 200*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
M2-6:2 FTS	*93*		*60 - 200*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
M2-8:2 FTS	*92*		*50 - 200*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
13C3 HFPO-DA	*78*		*25 - 160*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
d7-N-MeFOSE-M	*85*		*10 - 150*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
d9-N-EtFOSE-M	*90*		*10 - 150*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
d5-NEtPFOSA	*77*		*10 - 130*	*11/01/23 08:24*	*11/03/23 05:43*	*1*
d3-NMePFOSA	*73*		*15 - 130*	*11/01/23 08:24*	*11/03/23 05:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	**10**		4.0	4.0	mg/L			10/27/23 10:28	1

Client Sample ID: TRIP BLANK (10/19/2023)
Lab Sample ID: 480-214009-4

Date Collected: 10/19/23 00:00
Matrix: Water
Date Received: 10/21/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			10/25/23 08:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/25/23 08:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/25/23 08:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/25/23 08:52	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/25/23 08:52	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/25/23 08:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/25/23 08:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/25/23 08:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/25/23 08:52	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/25/23 08:52	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/25/23 08:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/25/23 08:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/25/23 08:52	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/23 08:52	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/25/23 08:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/25/23 08:52	1
Acetone	10	U	10	3.0	ug/L			10/25/23 08:52	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/23 08:52	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/25/23 08:52	1

Client Sample ID: TRIP BLANK (10/19/2023)

Lab Sample ID: 480-214009-4
Matrix: Water
Date Collected: 10/19/23 00:00
Date Received: 10/21/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.26	ug/L			10/25/23 08:52	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/25/23 08:52	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/25/23 08:52	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/25/23 08:52	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/25/23 08:52	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/25/23 08:52	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/25/23 08:52	1
Chloroform	**0.59**	**J**	1.0	0.34	ug/L			10/25/23 08:52	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/25/23 08:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/25/23 08:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/25/23 08:52	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/25/23 08:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/25/23 08:52	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/25/23 08:52	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/25/23 08:52	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/25/23 08:52	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/25/23 08:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/25/23 08:52	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/25/23 08:52	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/25/23 08:52	1
Styrene	1.0	U	1.0	0.73	ug/L			10/25/23 08:52	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/25/23 08:52	1
Toluene	1.0	U	1.0	0.51	ug/L			10/25/23 08:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/25/23 08:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/25/23 08:52	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/25/23 08:52	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/25/23 08:52	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/25/23 08:52	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/25/23 08:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*10/25/23 08:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/25/23 08:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/25/23 08:52*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/25/23 08:52*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/25/23 08:52*	*1*

B

Client Sample ID: QNSV-BMW-101 (114-115)

Lab Sample ID: 480-214046-1
Matrix: Solid
Date Collected: 10/22/23 13:00
Percent Solids: 77.9
Date Received: 10/24/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.36	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.80	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,1,2-Trichloroethane	4.9	U	4.9	0.64	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	~~U~~ UJ	4.9	1.1	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1

Client Sample ID: QNSV-BMW-101 (114-115) B
Lab Sample ID: 480-214046-1
Date Collected: 10/22/23 13:00
Matrix: Solid
Date Received: 10/24/23 11:00
Percent Solids: 77.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.5	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,2-Dichloroethane	4.9	U	4.9	0.25	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,2-Dichloropropane	4.9	U	4.9	2.5	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,4-Dichlorobenzene	4.9	U	4.9	0.69	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Acetone	**37**	J	25	4.1	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Bromodichloromethane	4.9	U	4.9	0.66	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Bromoform	4.9	U	4.9	2.5	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Carbon disulfide	4.9	U	4.9	2.5	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Carbon tetrachloride	4.9	U	4.9	0.48	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Chlorobenzene	4.9	U	4.9	0.65	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Dibromochloromethane	4.9	U	4.9	0.63	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Chloroethane	4.9	U	4.9	1.1	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Chloromethane	4.9	U	4.9	0.30	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.63	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.71	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Cyclohexane	4.9	~~U~~ UJ	4.9	0.69	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Dichlorodifluoromethane	4.9	U	4.9	0.41	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Methylcyclohexane	4.9	~~U~~ UJ	4.9	0.75	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Methylene Chloride	4.9	U	4.9	2.3	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Styrene	4.9	U	4.9	0.25	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Tetrachloroethene	4.9	U	4.9	0.66	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Toluene	4.9	U	4.9	0.37	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.51	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.2	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Trichlorofluoromethane	4.9	~~U~~ UJ	4.9	0.47	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Vinyl chloride	4.9	~~U~~ UJ	4.9	0.60	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1
Xylenes, Total	9.8	U	9.8	0.83	ug/Kg	☼	10/24/23 12:00	10/25/23 20:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*10/24/23 12:00*	*10/25/23 20:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*71 - 125*	*10/24/23 12:00*	*10/25/23 20:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*10/24/23 12:00*	*10/25/23 20:56*	*1*

Client Sample ID: QNSV-BMW-101 (114-115)
Lab Sample ID: 480-214046-1
Date Collected: 10/22/23 13:00
Matrix: Solid
Date Received: 10/24/23 11:00
Percent Solids: 77.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*	*10/24/23 12:00*	*10/25/23 20:56*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*10/24/23 12:00*	*10/25/23 20:56*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	85	U	85	13	ug/Kg	☼	11/02/23 07:00	11/02/23 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*35 - 105*	*11/02/23 07:00*	*11/02/23 20:20*	*1*
2-Fluorophenol (Surr)	*56*		*32 - 105*	*11/02/23 07:00*	*11/02/23 20:20*	*1*
2,4,6-Tribromophenol (Surr)	*44*		*20 - 119*	*11/02/23 07:00*	*11/02/23 20:20*	*1*
Nitrobenzene-d5 (Surr)	*59*		*34 - 109*	*11/02/23 07:00*	*11/02/23 20:20*	*1*
Phenol-d5 (Surr)	*63*		*34 - 105*	*11/02/23 07:00*	*11/02/23 20:20*	*1*
Terphenyl-d14 (Surr)	*58*		*20 - 117*	*11/02/23 07:00*	*11/02/23 20:20*	*1*

Client Sample ID: QNSB-BMW-101 (194-195)
Lab Sample ID: 480-214046-2
Date Collected: 10/22/23 16:10
Matrix: Solid
Date Received: 10/24/23 11:00
Percent Solids: 90.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.1	U	3.1	0.22	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,1,2,2-Tetrachloroethane	3.1	~~U *3~~ UJ	3.1	0.50	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,1,2-Trichloroethane	3.1	U	3.1	0.40	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.1	~~U~~ UJ	3.1	0.70	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,1-Dichloroethane	3.1	U	3.1	0.38	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,1-Dichloroethene	3.1	U	3.1	0.38	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,2,4-Trichlorobenzene	3.1	~~U *3~~ UJ	3.1	0.19	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,2-Dibromo-3-Chloropropane	3.1	~~U *3~~ UJ	3.1	1.5	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,2-Dichlorobenzene	3.1	~~U *3~~ UJ	3.1	0.24	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,2-Dichloroethane	3.1	U	3.1	0.15	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,2-Dichloropropane	3.1	U	3.1	1.5	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,3-Dichlorobenzene	3.1	~~U *3~~ UJ	3.1	0.16	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,4-Dichlorobenzene	3.1	~~U *3~~ UJ	3.1	0.43	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
2-Butanone (MEK)	15	U	15	1.1	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
2-Hexanone	15	U	15	1.5	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
4-Methyl-2-pentanone (MIBK)	15	U	15	1.0	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Acetone	**2.8**	~~J~~ J	15	2.6	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Benzene	3.1	U	3.1	0.15	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Bromodichloromethane	3.1	U	3.1	0.41	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Bromoform	3.1	U	3.1	1.5	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Bromomethane	3.1	U	3.1	0.28	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Carbon disulfide	3.1	U	3.1	1.5	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Carbon tetrachloride	3.1	U	3.1	0.30	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Chlorobenzene	3.1	U	3.1	0.41	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Dibromochloromethane	3.1	U	3.1	0.39	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Chloroethane	3.1	U	3.1	0.70	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Chloroform	3.1	U	3.1	0.19	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Chloromethane	3.1	U	3.1	0.19	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
cis-1,2-Dichloroethene	3.1	U	3.1	0.39	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1

Client Sample ID: QNSB-BMW-101 (194-195)
Lab Sample ID: 480-214046-2

Date Collected: 10/22/23 16:10
Matrix: Solid
Date Received: 10/24/23 11:00
Percent Solids: 90.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	3.1	U	3.1	0.44	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Cyclohexane	3.1	~~U~~ UJ	3.1	0.43	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Dichlorodifluoromethane	3.1	U	3.1	0.25	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Ethylbenzene	3.1	U	3.1	0.21	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
1,2-Dibromoethane	3.1	U	3.1	0.39	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Isopropylbenzene	3.1	~~U *3~~ UJ	3.1	0.46	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Methyl acetate	15	U	15	1.9	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Methyl tert-butyl ether	3.1	U	3.1	0.30	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Methylcyclohexane	3.1	~~U~~ UJ	3.1	0.47	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Methylene Chloride	3.1	U	3.1	1.4	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Styrene	3.1	U	3.1	0.15	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Tetrachloroethene	3.1	U	3.1	0.41	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Toluene	3.1	U	3.1	0.23	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
trans-1,2-Dichloroethene	3.1	U	3.1	0.32	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
trans-1,3-Dichloropropene	3.1	U	3.1	1.4	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Trichloroethene	3.1	U	3.1	0.68	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Trichlorofluoromethane	3.1	~~U~~ UJ	3.1	0.29	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Vinyl chloride	3.1	~~U~~ UJ	3.1	0.38	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1
Xylenes, Total	6.2	U	6.2	0.52	ug/Kg	☼	10/24/23 12:00	10/25/23 21:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*10/24/23 12:00*	*10/25/23 21:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*71 - 125*	*10/24/23 12:00*	*10/25/23 21:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*64 - 126*	*10/24/23 12:00*	*10/25/23 21:20*	*1*
4-Bromofluorobenzene (Surr)	*80*		*72 - 126*	*10/24/23 12:00*	*10/25/23 21:20*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*10/24/23 12:00*	*10/25/23 21:20*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	71	U	71	11	ug/Kg	☼	11/02/23 07:00	11/02/23 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*35 - 105*	*11/02/23 07:00*	*11/02/23 20:42*	*1*
2-Fluorophenol (Surr)	*53*		*32 - 105*	*11/02/23 07:00*	*11/02/23 20:42*	*1*
2,4,6-Tribromophenol (Surr)	*36*		*20 - 119*	*11/02/23 07:00*	*11/02/23 20:42*	*1*
Nitrobenzene-d5 (Surr)	*58*		*34 - 109*	*11/02/23 07:00*	*11/02/23 20:42*	*1*
Phenol-d5 (Surr)	*60*		*34 - 105*	*11/02/23 07:00*	*11/02/23 20:42*	*1*
Terphenyl-d14 (Surr)	*59*		*20 - 117*	*11/02/23 07:00*	*11/02/23 20:42*	*1*

Client Sample ID: QNSB-BMW-101 EB
Lab Sample ID: 480-214046-3

Date Collected: 10/23/23 09:25
Matrix: Water
Date Received: 10/24/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			10/24/23 15:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/24/23 15:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/24/23 15:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/24/23 15:43	1

Client Sample ID: QNSB-BMW-101 EB
Lab Sample ID: 480-214046-3

Date Collected: 10/23/23 09:25
Matrix: Water
Date Received: 10/24/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/24/23 15:43	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/24/23 15:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/24/23 15:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/24/23 15:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/24/23 15:43	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/24/23 15:43	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/24/23 15:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/24/23 15:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/24/23 15:43	1
2-Butanone (MEK)	10	~~U~~ UJ	10	1.3	ug/L			10/24/23 15:43	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/24/23 15:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/24/23 15:43	1
Acetone	10	U	10	3.0	ug/L			10/24/23 15:43	1
Benzene	1.0	U	1.0	0.41	ug/L			10/24/23 15:43	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/24/23 15:43	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/24/23 15:43	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/24/23 15:43	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/24/23 15:43	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/24/23 15:43	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/24/23 15:43	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/24/23 15:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/24/23 15:43	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/24/23 15:43	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/24/23 15:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/24/23 15:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/24/23 15:43	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/24/23 15:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/24/23 15:43	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/24/23 15:43	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/24/23 15:43	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/24/23 15:43	1
Methyl acetate	2.5	~~U *-~~ UJ	2.5	1.3	ug/L			10/24/23 15:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/24/23 15:43	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/24/23 15:43	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/24/23 15:43	1
Styrene	1.0	U	1.0	0.73	ug/L			10/24/23 15:43	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/24/23 15:43	1
Toluene	1.0	U	1.0	0.51	ug/L			10/24/23 15:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/24/23 15:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/24/23 15:43	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/24/23 15:43	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/24/23 15:43	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/24/23 15:43	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/24/23 15:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*10/24/23 15:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*80 - 120*		*10/24/23 15:43*	*1*

Client Sample ID: QNSB-BMW-101 EB
Lab Sample ID: 480-214046-3
Date Collected: 10/23/23 09:25
Matrix: Water
Date Received: 10/24/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/24/23 15:43*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/24/23 15:43*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/24/23 15:43*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.12**	**J**	0.21	0.10	ug/L		10/25/23 06:47	10/27/23 15:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*15 - 110*	*10/25/23 06:47*	*10/27/23 15:10*	*1*

Client Sample ID: TRIP BLANK (10/23/2023)
Lab Sample ID: 480-214046-4
Date Collected: 10/23/23 00:00
Matrix: Water
Date Received: 10/24/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			10/24/23 16:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/24/23 16:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/24/23 16:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/24/23 16:06	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/24/23 16:06	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/24/23 16:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/24/23 16:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/24/23 16:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/24/23 16:06	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/24/23 16:06	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/24/23 16:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/24/23 16:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/24/23 16:06	1
2-Butanone (MEK)	10	~~U~~ UJ	10	1.3	ug/L			10/24/23 16:06	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/24/23 16:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/24/23 16:06	1
Acetone	10	U	10	3.0	ug/L			10/24/23 16:06	1
Benzene	1.0	U	1.0	0.41	ug/L			10/24/23 16:06	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/24/23 16:06	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/24/23 16:06	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/24/23 16:06	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/24/23 16:06	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/24/23 16:06	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/24/23 16:06	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/24/23 16:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/24/23 16:06	1
Chloroform	**0.41**	**J**	1.0	0.34	ug/L			10/24/23 16:06	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/24/23 16:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/24/23 16:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/24/23 16:06	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/24/23 16:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/24/23 16:06	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/24/23 16:06	1

Client Sample ID: TRIP BLANK (10/23/2023)

Lab Sample ID: 480-214046-4
Date Collected: 10/23/23 00:00
Matrix: Water
Date Received: 10/24/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/24/23 16:06	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/24/23 16:06	1
Methyl acetate	2.5	~~U *~~ UJ	2.5	1.3	ug/L			10/24/23 16:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/24/23 16:06	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/24/23 16:06	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/24/23 16:06	1
Styrene	1.0	U	1.0	0.73	ug/L			10/24/23 16:06	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/24/23 16:06	1
Toluene	1.0	U	1.0	0.51	ug/L			10/24/23 16:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/24/23 16:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/24/23 16:06	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/24/23 16:06	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/24/23 16:06	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/24/23 16:06	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/24/23 16:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*10/24/23 16:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*80 - 120*		*10/24/23 16:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/24/23 16:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/24/23 16:06*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/24/23 16:06*	*1*

Client Sample ID: QNSB-BMW-101 (114-115)

Lab Sample ID: 480-214219-1
Date Collected: 10/22/23 13:00
Matrix: Solid
Date Received: 10/26/23 11:00
Percent Solids: 79.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.99	U	0.99	0.046	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluoropentanoic acid (PFPeA)	0.50	U	0.50	0.026	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.026	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.027	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.052	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.015	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.093	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.035	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.069	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.035	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorotetradecanoic acid (PFTeDA)	0.25	U	0.25	0.021	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.017	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluoropentanesulfonic acid (PFPeS)	0.25	U	0.25	0.016	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.025	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.035	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.069	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorononanesulfonic acid (PFNS)	0.25	U	0.25	0.035	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.025	ug/Kg	☼	11/09/23 09:07	11/13/23 17:14	1

Client Sample ID: QNSB-BMW-102 (59-60)
Lab Sample ID: 480-214221-1

Date Collected: 10/24/23 09:45
Matrix: Solid

Date Received: 10/26/23 11:00
Percent Solids: 83.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.8	U H H3 UJ	3.8	0.28	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,1,2,2-Tetrachloroethane	3.8	U H H3	3.8	0.62	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,1,2-Trichloroethane	3.8	U H H3	3.8	0.50	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8	U H H3	3.8	0.88	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,1-Dichloroethane	3.8	U H H3	3.8	0.47	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,1-Dichloroethene	3.8	U H H3	3.8	0.47	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,2,4-Trichlorobenzene	3.8	U H H3	3.8	0.23	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,2-Dibromo-3-Chloropropane	3.8	U H H3	3.8	1.9	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,2-Dichlorobenzene	3.8	U H H3	3.8	0.30	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,2-Dichloroethane	3.8	U H H3	3.8	0.19	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,2-Dichloropropane	3.8	U H H3	3.8	1.9	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,3-Dichlorobenzene	3.8	U H H3	3.8	0.20	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,4-Dichlorobenzene	3.8	U H H3	3.8	0.54	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
2-Butanone (MEK)	19	U H H3	19	1.4	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
2-Hexanone	19	U H H3	19	1.9	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
4-Methyl-2-pentanone (MIBK)	19	U H H3	19	1.3	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Acetone	19	U H H3	19	3.2	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Benzene	3.8	U H H3	3.8	0.19	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Bromodichloromethane	3.8	U H H3	3.8	0.52	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Bromoform	3.8	U H H3	3.8	1.9	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Bromomethane	3.8	U H H3	3.8	0.35	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Carbon disulfide	3.8	U H H3	3.8	1.9	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Carbon tetrachloride	3.8	U H H3	3.8	0.37	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Chlorobenzene	3.8	U H H3	3.8	0.51	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Dibromochloromethane	3.8	U H H3	3.8	0.49	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Chloroethane	3.8	U H H3 UJ	3.8	0.87	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Chloroform	ND ~~1.4~~	~~J H H3~~ 3.8 UJ	3.8	0.24	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Chloromethane	3.8	U H H3 UJ	3.8	0.23	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
cis-1,2-Dichloroethene	3.8	U H H3	3.8	0.49	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
cis-1,3-Dichloropropene	3.8	U H H3	3.8	0.55	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Cyclohexane	3.8	U H H3	3.8	0.54	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Dichlorodifluoromethane	3.8	U H H3	3.8	0.32	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Ethylbenzene	3.8	U H H3	3.8	0.27	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
1,2-Dibromoethane	3.8	U H H3	3.8	0.49	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Isopropylbenzene	3.8	U H H3	3.8	0.58	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Methyl acetate	19	U H H3	19	2.3	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Methyl tert-butyl ether	3.8	U H H3	3.8	0.38	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Methylcyclohexane	3.8	U H H3	3.8	0.58	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Methylene Chloride	3.8	U H H3	3.8	1.8	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Styrene	3.8	U H H3	3.8	0.19	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Tetrachloroethene	3.8	U H H3	3.8	0.52	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Toluene	3.8	U H H3	3.8	0.29	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
trans-1,2-Dichloroethene	3.8	U H H3	3.8	0.40	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
trans-1,3-Dichloropropene	3.8	U H H3	3.8	1.7	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Trichloroethene	3.8	U H H3	3.8	0.85	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Trichlorofluoromethane	3.8	U H H3	3.8	0.36	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Vinyl chloride	3.8	U H H3	3.8	0.47	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1
Xylenes, Total	7.7	U H H3 UJ	7.7	0.65	ug/Kg	☼	10/26/23 16:00	11/01/23 03:16	1

Client Sample ID: QNSB-BMW-102 (59-60)
Date Collected: 10/24/23 09:45
Date Received: 10/26/23 11:00

Lab Sample ID: 480-214221-1
Matrix: Solid
Percent Solids: 83.2

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None	~~I I I3~~	ug/Kg	☼		N/A	10/26/23 16:00	11/01/23 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		71 - 125	10/26/23 16:00	11/01/23 03:16	1
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	10/26/23 16:00	11/01/23 03:16	1
4-Bromofluorobenzene (Surr)	93		72 - 126	10/26/23 16:00	11/01/23 03:16	1
Dibromofluoromethane (Surr)	97		60 - 140	10/26/23 16:00	11/01/23 03:16	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	78	U	78	12	ug/Kg	☼	11/02/23 07:00	11/02/23 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		35 - 105	11/02/23 07:00	11/02/23 19:15	1
2-Fluorophenol (Surr)	59		32 - 105	11/02/23 07:00	11/02/23 19:15	1
2,4,6-Tribromophenol (Surr)	47		20 - 119	11/02/23 07:00	11/02/23 19:15	1
Nitrobenzene-d5 (Surr)	60		34 - 109	11/02/23 07:00	11/02/23 19:15	1
Phenol-d5 (Surr)	63		34 - 105	11/02/23 07:00	11/02/23 19:15	1
Terphenyl-d14 (Surr)	56		20 - 117	11/02/23 07:00	11/02/23 19:15	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.96	U	0.96	0.044	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluoropentanoic acid (PFPeA)	0.48	U	0.48	0.025	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.025	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.026	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.050	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.014	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.090	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.034	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.067	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.034	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorotetradecanoic acid (PFTeDA)	0.24	U	0.24	0.020	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.017	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluoropentanesulfonic acid (PFPeS)	0.24	U	0.24	0.016	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.024	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.034	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.067	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorononanesulfonic acid (PFNS)	0.24	U	0.24	0.034	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.024	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorododecanesulfonic acid (PFDoS)	0.24	U	0.24	0.020	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
4:2 FTS	0.96	U	0.96	0.093	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
6:2 FTS	0.96	U	0.96	0.58	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
8:2 FTS	0.96	U	0.96	0.14	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
Perfluorooctanesulfonamide (PFOSA)	0.24	U	0.24	0.014	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
NMeFOSA	0.24	U	0.24	0.029	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
NEtFOSA	0.24	U	0.24	0.037	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
NMeFOSAA	0.24	U	0.24	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
NEtFOSAA	0.24	U	0.24	0.029	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1

Client Sample ID: QNSB-BMW-102 (59-60)
Lab Sample ID: 480-214221-1

Date Collected: 10/24/23 09:45
Matrix: Solid
Date Received: 10/26/23 11:00
Percent Solids: 83.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	2.4	U	2.4	0.12	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
NEtFOSE	2.4	U	2.4	0.13	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
HFPO-DA (GenX)	0.96	U	0.96	0.11	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.96	U	0.96	0.097	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
PFMBA	0.48	U	0.48	0.023	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
NFDHA	0.48	U	0.48	0.058	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
PFMPA	0.48	U	0.48	0.11	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
9Cl-PF3ONS	0.96	U	0.96	0.061	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
11Cl-PF3OUdS	0.96	U	0.96	0.14	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
PFEESA	0.48	U	0.48	0.048	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
3:3 FTCA	1.2	U	1.2	0.21	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
5:3 FTCA	6.0	U	6.0	0.44	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1
7:3 FTCA	6.0	U	6.0	0.37	ug/Kg	☼	11/09/23 09:07	11/13/23 17:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*70*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C5 PFPeA	*84*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C5 PFHxA	*86*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C4 PFHpA	*84*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C8 PFOA	*88*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C9 PFNA	*90*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C6 PFDA	*91*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C7 PFUnA	*92*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C2 PFDoA	*90*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C2 PFTeDA	*89*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C3 PFBS	*89*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C3 PFHxS	*91*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C8 PFOS	*84*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C8 FOSA	*83*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
d3-NMeFOSAA	*77*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
d5-NEtFOSAA	*79*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
M2-4:2 FTS	*73*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
M2-6:2 FTS	*74*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
M2-8:2 FTS	*74*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
13C3 HFPO-DA	*84*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
d7-N-MeFOSE-M	*78*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
d9-N-EtFOSE-M	*76*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
d5-NEtPFOSA	*59*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*
d3-NMePFOSA	*62*		*20 - 150*	*11/09/23 09:07*	*11/13/23 17:53*	*1*

Client Sample ID: QNSB-BMW-102 (76-77)
Lab Sample ID: 480-214221-2

Date Collected: 10/24/23 09:45
Matrix: Solid
Date Received: 10/26/23 11:00
Percent Solids: 87.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.0	U HI H3 *3	3.0	0.22	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,1,2,2-Tetrachloroethane	3.0	U HI H3 *3	3.0	0.49	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,1,2-Trichloroethane	3.0	U HI H3 *3	3.0	0.39	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U HI H3 *3	3.0	0.68	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1

R

R

Client Sample ID: QNSB-BMW-102 (76-77)
Date Collected: 10/24/23 09:45
Date Received: 10/26/23 11:00

Lab Sample ID: 480-214221-2
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	3.0	U H H3 *3	3.0	0.37	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,1-Dichloroethene	3.0	U H H3 *3	3.0	0.37	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,2,4-Trichlorobenzene	3.0	U H H3 *3	3.0	0.18	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,2-Dibromo-3-Chloropropane	3.0	U H H3 *3	3.0	1.5	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,2-Dichlorobenzene	3.0	U H H3 *3	3.0	0.23	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,2-Dichloroethane	3.0	U H H3 *3	3.0	0.15	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,2-Dichloropropane	3.0	U H H3 *3	3.0	1.5	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,3-Dichlorobenzene	3.0	U H H3 *3	3.0	0.15	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,4-Dichlorobenzene	3.0	U H H3 *3	3.0	0.42	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
2-Butanone (MEK)	15	U H H3 *3	15	1.1	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
2-Hexanone	15	U H H3 *3	15	1.5	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
4-Methyl-2-pentanone (MIBK)	15	U H H3 *3	15	0.98	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Acetone	**31**	**H H3 *3** J	15	2.5	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Benzene	3.0	U H H3 *3	3.0	0.15	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Bromodichloromethane	3.0	U H H3 *3	3.0	0.40	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Bromoform	3.0	U H H3 *3	3.0	1.5	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Bromomethane	3.0	U H H3 *3	3.0	0.27	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Carbon disulfide	**7.5**	**H H3 *3** J	3.0	1.5	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Carbon tetrachloride	3.0	U H H3 *3	3.0	0.29	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Chlorobenzene	3.0	U H H3 *3	3.0	0.39	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Dibromochloromethane	3.0	U H H3 *3	3.0	0.38	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Chloroethane	3.0	U H H3 *3	3.0	0.68	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Chloroform	ND **1.1** J	**H H3 *3** 3.0 U	3.0	0.18	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Chloromethane	3.0	U H H3 *3	3.0	0.18	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
cis-1,2-Dichloroethene	3.0	U H H3 *3	3.0	0.38	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
cis-1,3-Dichloropropene	3.0	U H H3 *3	3.0	0.43	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Cyclohexane	3.0	U H H3 *3	3.0	0.42	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Dichlorodifluoromethane	3.0	U H H3 *3	3.0	0.25	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Ethylbenzene	3.0	U H H3 *3	3.0	0.21	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
1,2-Dibromoethane	3.0	U H H3 *3	3.0	0.38	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Isopropylbenzene	3.0	U H H3 *3	3.0	0.45	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Methyl acetate	15	U H H3 *3	15	1.8	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Methyl tert-butyl ether	3.0	U H H3 *3	3.0	0.29	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Methylcyclohexane	3.0	U H H3 *3	3.0	0.45	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Methylene Chloride	**29**	**H H3 *3** J	3.0	1.4	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Styrene	3.0	U H H3 *3	3.0	0.15	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Tetrachloroethene	3.0	U H H3 *3	3.0	0.40	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Toluene	3.0	U H H3 *3	3.0	0.23	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
trans-1,2-Dichloroethene	3.0	U H H3 *3	3.0	0.31	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
trans-1,3-Dichloropropene	3.0	U H H3 *3	3.0	1.3	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Trichloroethene	3.0	U H H3 *3	3.0	0.66	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Trichlorofluoromethane	3.0	U H H3 *3	3.0	0.28	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Vinyl chloride	3.0	U H H3 *3	3.0	0.37	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1
Xylenes, Total	6.0	U H H3	6.0	0.50	ug/Kg	☼	10/26/23 16:00	11/01/23 21:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T H H3 J*	*ug/Kg*	☼	*1.68*	*N/A*	*10/26/23 16:00*	*11/01/23 21:49*	*1*
Unknown	*10*	*T H H3 J*	*ug/Kg*	☼	*3.38*	*N/A*	*10/26/23 16:00*	*11/01/23 21:49*	*1*
Unknown	*28*	*T H H3 J*	*ug/Kg*	☼	*7.14*	*N/A*	*10/26/23 16:00*	*11/01/23 21:49*	*1*
Unknown	*16*	*T H H3 J*	*ug/Kg*	☼	*7.88*	*N/A*	*10/26/23 16:00*	*11/01/23 21:49*	*1*

Client Sample ID: QNSB-BMW-102 (76-77)
Date Collected: 10/24/23 09:45
Date Received: 10/26/23 11:00

Lab Sample ID: 480-214221-2
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	54	T H H3 J	ug/Kg	☼	9.59	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	20	T H H3 J	ug/Kg	☼	10.56	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	31	T H H3 J	ug/Kg	☼	11.05	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	17	T H H3 J	ug/Kg	☼	11.10	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	11	T H H3 J	ug/Kg	☼	11.17	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	13	T H H3 J	ug/Kg	☼	11.35	N/A	10/26/23 16:00	11/01/23 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	260	*3 S1+	71 - 125	10/26/23 16:00	11/01/23 21:49	1
1,2-Dichloroethane-d4 (Surr)	293	*3 S1+	64 - 126	10/26/23 16:00	11/01/23 21:49	1
4-Bromofluorobenzene (Surr)	63	*3 S1-	72 - 126	10/26/23 16:00	11/01/23 21:49	1
Dibromofluoromethane (Surr)	497	*3 S1+	60 - 140	10/26/23 16:00	11/01/23 21:49	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	74	U	74	12	ug/Kg	☼	11/02/23 07:00	11/02/23 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	65		35 - 105	11/02/23 07:00	11/02/23 19:37	1
2-Fluorophenol (Surr)	58		32 - 105	11/02/23 07:00	11/02/23 19:37	1
2,4,6-Tribromophenol (Surr)	29		20 - 119	11/02/23 07:00	11/02/23 19:37	1
Nitrobenzene-d5 (Surr)	64		34 - 109	11/02/23 07:00	11/02/23 19:37	1
Phenol-d5 (Surr)	65		34 - 105	11/02/23 07:00	11/02/23 19:37	1
Terphenyl-d14 (Surr)	59		20 - 117	11/02/23 07:00	11/02/23 19:37	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.86	U	0.86	0.040	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoropentanoic acid (PFPeA)	0.43	U	0.43	0.023	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorohexanoic acid (PFHxA)	0.21	U	0.21	0.023	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.024	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.045	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.013	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.080	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.060	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorotetradecanoic acid (PFTeDA)	0.21	U	0.21	0.018	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.015	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoropentanesulfonic acid (PFPeS)	0.21	U	0.21	0.014	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.021	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.060	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorononanesulfonic acid (PFNS)	0.21	U	0.21	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorodecanesulfonic acid (PFDS)	0.21	U	0.21	0.021	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorododecanesulfonic acid (PFDoS)	0.21	U	0.21	0.018	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
4:2 FTS	0.86	U	0.86	0.083	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
6:2 FTS	0.86	U	0.86	0.52	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1

Client Sample ID: QNSB-BMW-102 EB
Lab Sample ID: 480-214221-3

Date Collected: 10/24/23 11:00
Matrix: Water
Date Received: 10/26/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	~~U~~ UJ	1.0	0.82	ug/L			10/31/23 17:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/31/23 17:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/31/23 17:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/31/23 17:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/31/23 17:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/31/23 17:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/31/23 17:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/31/23 17:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/31/23 17:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/31/23 17:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/31/23 17:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/31/23 17:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/31/23 17:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/31/23 17:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/31/23 17:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/31/23 17:14	1
Acetone	10	~~U~~ UJ	10	3.0	ug/L			10/31/23 17:14	1
Benzene	1.0	U	1.0	0.41	ug/L			10/31/23 17:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/31/23 17:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/31/23 17:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/31/23 17:14	1
Carbon disulfide	1.0	~~U~~ UJ	1.0	0.19	ug/L			10/31/23 17:14	1
Carbon tetrachloride	1.0	~~U~~ UJ	1.0	0.27	ug/L			10/31/23 17:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/31/23 17:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/31/23 17:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/31/23 17:14	1
Chloroform	**2.5**		1.0	0.34	ug/L			10/31/23 17:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/31/23 17:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/31/23 17:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/31/23 17:14	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/31/23 17:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/31/23 17:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/31/23 17:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/31/23 17:14	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/31/23 17:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/31/23 17:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/31/23 17:14	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/31/23 17:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/31/23 17:14	1
Styrene	1.0	U	1.0	0.73	ug/L			10/31/23 17:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/31/23 17:14	1
Toluene	1.0	U	1.0	0.51	ug/L			10/31/23 17:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/31/23 17:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/31/23 17:14	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/31/23 17:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/31/23 17:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/31/23 17:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/31/23 17:14	1

Client Sample ID: QNSB-BMW-102 EB
Lab Sample ID: 480-214221-3

Date Collected: 10/24/23 11:00
Matrix: Water
Date Received: 10/26/23 11:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		10/31/23 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/31/23 17:14	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/31/23 17:14	1
4-Bromofluorobenzene (Surr)	104		73 - 120		10/31/23 17:14	1
Dibromofluoromethane (Surr)	104		75 - 123		10/31/23 17:14	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		10/29/23 10:32	11/02/23 06:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	42		15 - 110	10/29/23 10:32	11/02/23 06:44	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.6	U	7.6	1.9	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluoropentanoic acid (PFPeA)	3.8	U	3.8	0.95	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorohexanoic acid (PFHxA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.49	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.61	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.28	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.54	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.38	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.38	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.85	ng/L		11/09/23 10:41	11/14/23 22:49	1
4:2 FTS	7.6	U	7.6	1.6	ng/L		11/09/23 10:41	11/14/23 22:49	1
6:2 FTS	7.6	U	7.6	2.4	ng/L		11/09/23 10:41	11/14/23 22:49	1
8:2 FTS	7.6	U	7.6	2.5	ng/L		11/09/23 10:41	11/14/23 22:49	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
NMeFOSA	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
NEtFOSA	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
NMeFOSAA	3.8	U	3.8	1.1	ng/L		11/09/23 10:41	11/14/23 22:49	1
NEtFOSAA	1.9	U	1.9	0.66	ng/L		11/09/23 10:41	11/14/23 22:49	1
NMeFOSE	19	U	19	4.7	ng/L		11/09/23 10:41	11/14/23 22:49	1
NEtFOSE	19	U	19	4.7	ng/L		11/09/23 10:41	11/14/23 22:49	1
HFPO-DA (GenX)	7.6	U	7.6	1.9	ng/L		11/09/23 10:41	11/14/23 22:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.6	U	7.6	1.4	ng/L		11/09/23 10:41	11/14/23 22:49	1

Client Sample ID: QNSB-BMW-102 EB
Lab Sample ID: 480-214221-3

Date Collected: 10/24/23 11:00
Matrix: Water
Date Received: 10/26/23 11:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFMBA	3.8	U	3.8	0.95	ng/L		11/09/23 10:41	11/14/23 22:49	1
NFDHA	3.8	U	3.8	0.95	ng/L		11/09/23 10:41	11/14/23 22:49	1
PFMPA	3.8	U	3.8	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
9Cl-PF3ONS	7.6	U	7.6	0.95	ng/L		11/09/23 10:41	11/14/23 22:49	1
11Cl-PF3OUdS	7.6	U	7.6	1.9	ng/L		11/09/23 10:41	11/14/23 22:49	1
PFEESA	3.8	U	3.8	0.47	ng/L		11/09/23 10:41	11/14/23 22:49	1
3:3 FTCA	9.5	U	9.5	1.4	ng/L		11/09/23 10:41	11/14/23 22:49	1
5:3 FTCA	47	U	47	9.5	ng/L		11/09/23 10:41	11/14/23 22:49	1
7:3 FTCA	47	U	47	9.5	ng/L		11/09/23 10:41	11/14/23 22:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*10 - 130*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C5 PFPeA	*110*		*35 - 150*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C5 PFHxA	*92*		*55 - 150*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C4 PFHpA	*104*		*55 - 150*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C8 PFOA	*98*		*60 - 140*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C9 PFNA	*79*		*55 - 140*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C6 PFDA	*98*		*50 - 140*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C7 PFUnA	*94*		*30 - 140*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C2 PFDoA	*87*		*10 - 150*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C2 PFTeDA	*77*		*10 - 130*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C3 PFBS	*125*		*55 - 150*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C3 PFHxS	*101*		*55 - 150*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C8 PFOS	*100*		*45 - 140*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C8 FOSA	*103*		*30 - 130*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
d3-NMeFOSAA	*107*		*45 - 200*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
d5-NEtFOSAA	*92*		*10 - 200*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
M2-4:2 FTS	*115*		*60 - 200*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
M2-6:2 FTS	*107*		*60 - 200*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
M2-8:2 FTS	*111*		*50 - 200*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
13C3 HFPO-DA	*112*		*25 - 160*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
d9-N-EtFOSE-M	*93*		*10 - 150*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
d5-NEtPFOSA	*82*		*10 - 130*	*11/09/23 10:41*	*11/14/23 22:49*	*1*
d3-NMePFOSA	*80*		*15 - 130*	*11/09/23 10:41*	*11/14/23 22:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	4.0	U	4.0	4.0	mg/L			11/08/23 09:04	1

MW-

Client Sample ID: QNSB-109 (77-78)
Lab Sample ID: 480-214221-4

Date Collected: 10/25/23 08:45
Matrix: Solid
Date Received: 10/26/23 11:00
Percent Solids: 81.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.74	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	~~U~~ UJ	4.5	1.0	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1

Client Sample ID: QNSB-109 (77-78) MW-
Lab Sample ID: 480-214221-4
Date Collected: 10/25/23 08:45
Matrix: Solid
Date Received: 10/26/23 11:00
Percent Solids: 81.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,1-Dichloroethene	4.5	U	4.5	0.56	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.28	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,4-Dichlorobenzene	4.5	U	4.5	0.64	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Acetone	23	U	23	3.8	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Chloroethane	4.5	~~U~~ UJ	4.5	1.0	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Chloromethane	4.5	~~U~~ UJ	4.5	0.27	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Cyclohexane	4.5	~~U *+~~ UJ	4.5	0.64	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Methyl acetate	23	U	23	2.7	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Methyl tert-butyl ether	4.5	U	4.5	0.45	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Methylcyclohexane	4.5	~~U~~ UJ	4.5	0.69	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Styrene	4.5	U	4.5	0.23	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Trichloroethene	4.5	U	4.5	1.0	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Trichlorofluoromethane	4.5	~~U~~ UJ	4.5	0.43	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Vinyl chloride	4.5	~~U~~ UJ	4.5	0.55	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1
Xylenes, Total	9.1	U	9.1	0.76	ug/Kg	☼	10/26/23 16:00	11/01/23 04:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*10/26/23 16:00*	*11/01/23 04:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 125*	*10/26/23 16:00*	*11/01/23 04:04*	*1*

MW-

Client Sample ID: QNSB-109 (77-78)
Lab Sample ID: 480-214221-4
Date Collected: 10/25/23 08:45
Matrix: Solid
Date Received: 10/26/23 11:00
Percent Solids: 81.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*10/26/23 16:00*	*11/01/23 04:04*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*10/26/23 16:00*	*11/01/23 04:04*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*10/26/23 16:00*	*11/01/23 04:04*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	79	U	79	12	ug/Kg	☼	11/02/23 07:00	11/02/23 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*64*		*35 - 105*	*11/02/23 07:00*	*11/02/23 19:59*	*1*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*11/02/23 07:00*	*11/02/23 19:59*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*20 - 119*	*11/02/23 07:00*	*11/02/23 19:59*	*1*
Nitrobenzene-d5 (Surr)	*63*		*34 - 109*	*11/02/23 07:00*	*11/02/23 19:59*	*1*
Phenol-d5 (Surr)	*65*		*34 - 105*	*11/02/23 07:00*	*11/02/23 19:59*	*1*
Terphenyl-d14 (Surr)	*62*		*20 - 117*	*11/02/23 07:00*	*11/02/23 19:59*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.93	U	0.93	0.043	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluoropentanoic acid (PFPeA)	0.46	U	0.46	0.024	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.024	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.026	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorooctanoic acid (PFOA)	0.23	U	0.23	0.049	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.014	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.087	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.032	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.065	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.032	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorotetradecanoic acid (PFTeDA)	0.23	U	0.23	0.020	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.016	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluoropentanesulfonic acid (PFPeS)	0.23	U	0.23	0.015	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.023	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.032	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.065	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorononanesulfonic acid (PFNS)	0.23	U	0.23	0.032	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorodecanesulfonic acid (PFDS)	0.23	U	0.23	0.023	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorododecanesulfonic acid (PFDoS)	0.23	U	0.23	0.020	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
4:2 FTS	0.93	U	0.93	0.089	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
6:2 FTS	0.93	U	0.93	0.56	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
8:2 FTS	0.93	U	0.93	0.13	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
Perfluorooctanesulfonamide (PFOSA)	0.23	U	0.23	0.014	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
NMeFOSA	0.23	U	0.23	0.028	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
NEtFOSA	0.23	U	0.23	0.036	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
NMeFOSAA	0.23	U	0.23	0.029	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
NEtFOSAA	0.23	U	0.23	0.028	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
NMeFOSE	2.3	U	2.3	0.11	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
NEtFOSE	2.3	U	2.3	0.13	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1

MW-

Client Sample ID: QNSB-109 (77-78)
Date Collected: 10/25/23 08:45
Date Received: 10/26/23 11:00

Lab Sample ID: 480-214221-4
Matrix: Solid
Percent Solids: 81.4

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	0.93	U	0.93	0.11	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.93	U	0.93	0.094	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
PFMBA	0.46	U	0.46	0.022	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
NFDHA	0.46	U	0.46	0.056	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
PFMPA	0.46	U	0.46	0.11	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
9Cl-PF3ONS	0.93	U	0.93	0.059	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
11Cl-PF3OUdS	0.93	U	0.93	0.14	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
PFEESA	0.46	U	0.46	0.046	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
3:3 FTCA	1.2	U	1.2	0.20	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
5:3 FTCA	5.8	U	5.8	0.42	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1
7:3 FTCA	5.8	U	5.8	0.36	ug/Kg	☼	11/09/23 09:07	11/13/23 18:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C5 PFPeA	*93*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C5 PFHxA	*95*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C4 PFHpA	*92*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C8 PFOA	*96*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C9 PFNA	*98*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C6 PFDA	*91*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C7 PFUnA	*89*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C2 PFDoA	*88*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C2 PFTeDA	*86*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C3 PFBS	*96*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C3 PFHxS	*96*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C8 PFOS	*95*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C8 FOSA	*96*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
d3-NMeFOSAA	*92*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
d5-NEtFOSAA	*91*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
M2-4:2 FTS	*85*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
M2-6:2 FTS	*89*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
M2-8:2 FTS	*84*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
13C3 HFPO-DA	*88*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
d7-N-MeFOSE-M	*83*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
d9-N-EtFOSE-M	*79*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
d5-NEtPFOSA	*65*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*
d3-NMePFOSA	*65*		*20 - 150*	*11/09/23 09:07*	*11/13/23 18:32*	*1*

Client Sample ID: QNSB-MW-109 EB
Date Collected: 10/25/23 09:00
Date Received: 10/26/23 11:00

Lab Sample ID: 480-214221-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	~~U~~ UJ	1.0	0.82	ug/L			10/31/23 17:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/31/23 17:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/31/23 17:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/31/23 17:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/31/23 17:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/31/23 17:39	1

Client Sample ID: QNSB-MW-109 EB
Lab Sample ID: 480-214221-5

Date Collected: 10/25/23 09:00
Matrix: Water
Date Received: 10/26/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/31/23 17:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/31/23 17:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/31/23 17:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/31/23 17:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/31/23 17:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/31/23 17:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/31/23 17:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/31/23 17:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/31/23 17:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/31/23 17:39	1
Acetone	10	~~U~~ UJ	10	3.0	ug/L			10/31/23 17:39	1
Benzene	1.0	U	1.0	0.41	ug/L			10/31/23 17:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/31/23 17:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/31/23 17:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/31/23 17:39	1
Carbon disulfide	1.0	~~U~~ UJ	1.0	0.19	ug/L			10/31/23 17:39	1
Carbon tetrachloride	1.0	~~U~~ UJ	1.0	0.27	ug/L			10/31/23 17:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/31/23 17:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/31/23 17:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/31/23 17:39	1
Chloroform	**2.6**		1.0	0.34	ug/L			10/31/23 17:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/31/23 17:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/31/23 17:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/31/23 17:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/31/23 17:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/31/23 17:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/31/23 17:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/31/23 17:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/31/23 17:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/31/23 17:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/31/23 17:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/31/23 17:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/31/23 17:39	1
Styrene	1.0	U	1.0	0.73	ug/L			10/31/23 17:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/31/23 17:39	1
Toluene	1.0	U	1.0	0.51	ug/L			10/31/23 17:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/31/23 17:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/31/23 17:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/31/23 17:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/31/23 17:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/31/23 17:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/31/23 17:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*10/31/23 17:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/31/23 17:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/31/23 17:39*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/31/23 17:39*	*1*

Client Sample ID: QNSB-MW-109 EB
Lab Sample ID: 480-214221-5

Date Collected: 10/25/23 09:00
Matrix: Water
Date Received: 10/26/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/31/23 17:39*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.21	U	0.21	0.10	ug/L		10/29/23 10:32	11/02/23 07:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*41*		*15 - 110*	*10/29/23 10:32*	*11/02/23 07:06*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.6	U	7.6	1.9	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluoropentanoic acid (PFPeA)	3.8	U	3.8	0.94	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorohexanoic acid (PFHxA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.49	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.60	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.28	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.54	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.38	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.38	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.85	ng/L		11/09/23 10:41	11/14/23 23:09	1
4:2 FTS	7.6	U	7.6	1.6	ng/L		11/09/23 10:41	11/14/23 23:09	1
6:2 FTS	7.6	U	7.6	2.4	ng/L		11/09/23 10:41	11/14/23 23:09	1
8:2 FTS	7.6	U	7.6	2.5	ng/L		11/09/23 10:41	11/14/23 23:09	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
NMeFOSA	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
NEtFOSA	1.9	U	1.9	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
NMeFOSAA	3.8	U	3.8	1.1	ng/L		11/09/23 10:41	11/14/23 23:09	1
NEtFOSAA	1.9	U	1.9	0.66	ng/L		11/09/23 10:41	11/14/23 23:09	1
NMeFOSE	19	U	19	4.7	ng/L		11/09/23 10:41	11/14/23 23:09	1
NEtFOSE	19	U	19	4.7	ng/L		11/09/23 10:41	11/14/23 23:09	1
HFPO-DA (GenX)	7.6	U	7.6	1.9	ng/L		11/09/23 10:41	11/14/23 23:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.6	U	7.6	1.4	ng/L		11/09/23 10:41	11/14/23 23:09	1
PFMBA	3.8	U	3.8	0.94	ng/L		11/09/23 10:41	11/14/23 23:09	1
NFDHA	3.8	U	3.8	0.94	ng/L		11/09/23 10:41	11/14/23 23:09	1
PFMPA	3.8	U	3.8	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
9Cl-PF3ONS	7.6	U	7.6	0.94	ng/L		11/09/23 10:41	11/14/23 23:09	1
11Cl-PF3OUdS	7.6	U	7.6	1.9	ng/L		11/09/23 10:41	11/14/23 23:09	1

Client Sample ID: QNSB-MW-109 EB
Lab Sample ID: 480-214221-5
Date Collected: 10/25/23 09:00
Matrix: Water
Date Received: 10/26/23 11:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFEESA	3.8	U	3.8	0.47	ng/L		11/09/23 10:41	11/14/23 23:09	1
3:3 FTCA	9.4	U	9.4	1.4	ng/L		11/09/23 10:41	11/14/23 23:09	1
5:3 FTCA	47	U	47	9.4	ng/L		11/09/23 10:41	11/14/23 23:09	1
7:3 FTCA	47	U	47	9.4	ng/L		11/09/23 10:41	11/14/23 23:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*10 - 130*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C5 PFPeA	*92*		*35 - 150*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C5 PFHxA	*88*		*55 - 150*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C4 PFHpA	*92*		*55 - 150*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C8 PFOA	*94*		*60 - 140*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C9 PFNA	*92*		*55 - 140*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C6 PFDA	*93*		*50 - 140*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C7 PFUnA	*74*		*30 - 140*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C2 PFDoA	*70*		*10 - 150*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C2 PFTeDA	*66*		*10 - 130*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C3 PFBS	*94*		*55 - 150*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C3 PFHxS	*99*		*55 - 150*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C8 PFOS	*109*		*45 - 140*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C8 FOSA	*96*		*30 - 130*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
d3-NMeFOSAA	*113*		*45 - 200*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
d5-NEtFOSAA	*76*		*10 - 200*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
M2-4:2 FTS	*92*		*60 - 200*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
M2-6:2 FTS	*105*		*60 - 200*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
M2-8:2 FTS	*91*		*50 - 200*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
13C3 HFPO-DA	*85*		*25 - 160*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
d7-N-MeFOSE-M	*77*		*10 - 150*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
d9-N-EtFOSE-M	*78*		*10 - 150*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
d5-NEtPFOSA	*78*		*10 - 130*	*11/09/23 10:41*	*11/14/23 23:09*	*1*
d3-NMePFOSA	*72*		*15 - 130*	*11/09/23 10:41*	*11/14/23 23:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	4.0	U	4.0	4.0	mg/L			11/08/23 09:04	1

Client Sample ID: TRIP BLANK (10/25/2023)
Lab Sample ID: 480-214221-6
Date Collected: 10/25/23 00:00
Matrix: Water
Date Received: 10/26/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	~~U~~ UJ	1.0	0.82	ug/L			10/31/23 18:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/31/23 18:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/31/23 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/31/23 18:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/31/23 18:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/31/23 18:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/31/23 18:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/31/23 18:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/31/23 18:03	1

Client Sample ID: TRIP BLANK (10/25/2023)

Lab Sample ID: 480-214221-6

Date Collected: 10/25/23 00:00
Matrix: Water
Date Received: 10/26/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/31/23 18:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/31/23 18:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/31/23 18:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/31/23 18:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/31/23 18:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/31/23 18:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/31/23 18:03	1
Acetone	10	~~U~~ UJ	10	3.0	ug/L			10/31/23 18:03	1
Benzene	1.0	U	1.0	0.41	ug/L			10/31/23 18:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/31/23 18:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/31/23 18:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/31/23 18:03	1
Carbon disulfide	1.0	~~U~~ UJ	1.0	0.19	ug/L			10/31/23 18:03	1
Carbon tetrachloride	1.0	~~U~~ UJ	1.0	0.27	ug/L			10/31/23 18:03	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/31/23 18:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/31/23 18:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/31/23 18:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/31/23 18:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/31/23 18:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/31/23 18:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/31/23 18:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/31/23 18:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/31/23 18:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/31/23 18:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/31/23 18:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/31/23 18:03	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/31/23 18:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/31/23 18:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/31/23 18:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/31/23 18:03	1
Styrene	1.0	U	1.0	0.73	ug/L			10/31/23 18:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/31/23 18:03	1
Toluene	1.0	U	1.0	0.51	ug/L			10/31/23 18:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/31/23 18:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/31/23 18:03	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/31/23 18:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/31/23 18:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/31/23 18:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/31/23 18:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.0*	*T J*	*ug/L*		*5.07*	*N/A*		*10/31/23 18:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/31/23 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/31/23 18:03*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*10/31/23 18:03*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/31/23 18:03*	*1*

Client Sample ID: QNSB-MW-107 EB
Lab Sample ID: 480-214367-1

Date Collected: 10/30/23 13:00
Matrix: Water
Date Received: 11/01/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/04/23 05:19	1
1,1,2,2-Tetrachloroethane	1.0	~~U~~ UJ	1.0	0.21	ug/L			11/04/23 05:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/04/23 05:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/04/23 05:19	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/04/23 05:19	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/04/23 05:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/04/23 05:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/04/23 05:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/04/23 05:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/04/23 05:19	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/04/23 05:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/04/23 05:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/04/23 05:19	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/04/23 05:19	1
2-Hexanone	5.0	~~U~~ UJ	5.0	1.2	ug/L			11/04/23 05:19	1
4-Methyl-2-pentanone (MIBK)	5.0	~~U~~ UJ	5.0	2.1	ug/L			11/04/23 05:19	1
Acetone	10	U	10	3.0	ug/L			11/04/23 05:19	1
Benzene	1.0	U	1.0	0.41	ug/L			11/04/23 05:19	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/04/23 05:19	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/04/23 05:19	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/04/23 05:19	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/04/23 05:19	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/04/23 05:19	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/04/23 05:19	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/04/23 05:19	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/04/23 05:19	1
Chloroform	1.0	U	1.0	0.34	ug/L			11/04/23 05:19	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/04/23 05:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/04/23 05:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/04/23 05:19	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/04/23 05:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/04/23 05:19	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/04/23 05:19	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/04/23 05:19	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/04/23 05:19	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/04/23 05:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/04/23 05:19	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/04/23 05:19	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/04/23 05:19	1
Styrene	1.0	U	1.0	0.73	ug/L			11/04/23 05:19	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/04/23 05:19	1
Toluene	1.0	U	1.0	0.51	ug/L			11/04/23 05:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/04/23 05:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/04/23 05:19	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/04/23 05:19	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/04/23 05:19	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/04/23 05:19	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/04/23 05:19	1

Client Sample ID: QNSB-MW-107 EB
Lab Sample ID: 480-214367-1

Date Collected: 10/30/23 13:00
Matrix: Water
Date Received: 11/01/23 11:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		11/04/23 05:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		11/04/23 05:19	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		11/04/23 05:19	1
4-Bromofluorobenzene (Surr)	103		73 - 120		11/04/23 05:19	1
Dibromofluoromethane (Surr)	107		75 - 123		11/04/23 05:19	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		11/03/23 15:59	11/06/23 22:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	39		15 - 110	11/03/23 15:59	11/06/23 22:44	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.4	U	7.4	1.9	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluoropentanoic acid (PFPeA)	3.7	U	3.7	0.93	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorohexanoic acid (PFHxA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.60	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.28	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.53	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.37	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.37	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.84	ng/L		11/17/23 08:53	11/20/23 19:53	1
4:2 FTS	7.4	U	7.4	1.6	ng/L		11/17/23 08:53	11/20/23 19:53	1
6:2 FTS	7.4	U	7.4	2.3	ng/L		11/17/23 08:53	11/20/23 19:53	1
8:2 FTS	7.4	U	7.4	2.4	ng/L		11/17/23 08:53	11/20/23 19:53	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
NMeFOSA	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
NEtFOSA	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
NMeFOSAA	3.7	U	3.7	1.1	ng/L		11/17/23 08:53	11/20/23 19:53	1
NEtFOSAA	1.9	U	1.9	0.65	ng/L		11/17/23 08:53	11/20/23 19:53	1
NMeFOSE	19	U	19	4.6	ng/L		11/17/23 08:53	11/20/23 19:53	1
NEtFOSE	19	U	19	4.6	ng/L		11/17/23 08:53	11/20/23 19:53	1
HFPO-DA (GenX)	7.4	U	7.4	1.9	ng/L		11/17/23 08:53	11/20/23 19:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.4	U	7.4	1.4	ng/L		11/17/23 08:53	11/20/23 19:53	1

Client Sample ID: QNSB-MW-107 EB
Lab Sample ID: 480-214367-1

Date Collected: 10/30/23 13:00
Matrix: Water
Date Received: 11/01/23 11:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFMBA	3.7	U	3.7	0.93	ng/L		11/17/23 08:53	11/20/23 19:53	1
NFDHA	3.7	U	3.7	0.93	ng/L		11/17/23 08:53	11/20/23 19:53	1
PFMPA	3.7	U	3.7	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
9Cl-PF3ONS	7.4	U	7.4	0.93	ng/L		11/17/23 08:53	11/20/23 19:53	1
11Cl-PF3OUdS	7.4	U	7.4	1.9	ng/L		11/17/23 08:53	11/20/23 19:53	1
PFEESA	3.7	U	3.7	0.46	ng/L		11/17/23 08:53	11/20/23 19:53	1
3:3 FTCA	9.3	U	9.3	1.4	ng/L		11/17/23 08:53	11/20/23 19:53	1
5:3 FTCA	46	U	46	9.3	ng/L		11/17/23 08:53	11/20/23 19:53	1
7:3 FTCA	46	U	46	9.3	ng/L		11/17/23 08:53	11/20/23 19:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*10 - 130*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C5 PFPeA	*88*		*35 - 150*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C5 PFHxA	*89*		*55 - 150*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C4 PFHpA	*84*		*55 - 150*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C8 PFOA	*86*		*60 - 140*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C9 PFNA	*87*		*55 - 140*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C6 PFDA	*87*		*50 - 140*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C7 PFUnA	*99*		*30 - 140*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C2 PFDoA	*83*		*10 - 150*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C2 PFTeDA	*69*		*10 - 130*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C3 PFBS	*95*		*55 - 150*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C3 PFHxS	*88*		*55 - 150*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C8 PFOS	*87*		*45 - 140*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C8 FOSA	*72*		*30 - 130*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
d3-NMeFOSAA	*80*		*45 - 200*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
d5-NEtFOSAA	*72*		*10 - 200*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
M2-4:2 FTS	*100*		*60 - 200*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
M2-6:2 FTS	*87*		*60 - 200*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
M2-8:2 FTS	*74*		*50 - 200*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
13C3 HFPO-DA	*90*		*25 - 160*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
d7-N-MeFOSE-M	*67*		*10 - 150*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
d9-N-EtFOSE-M	*68*		*10 - 150*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
d5-NEtPFOSA	*61*		*10 - 130*	*11/17/23 08:53*	*11/20/23 19:53*	*1*
d3-NMePFOSA	*61*		*15 - 130*	*11/17/23 08:53*	*11/20/23 19:53*	*1*

Client Sample ID: QNSB-MW-107 (62-65`)
Lab Sample ID: 480-214367-2

Date Collected: 10/30/23 11:15
Matrix: Solid
Date Received: 11/01/23 11:00
Percent Solids: 82.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U H UJ	4.4	0.32	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,1,2,2-Tetrachloroethane	4.4	U H	4.4	0.72	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,1,2-Trichloroethane	4.4	U H	4.4	0.58	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U H	4.4	1.0	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,1-Dichloroethane	4.4	U H	4.4	0.54	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,1-Dichloroethene	4.4	U H	4.4	0.54	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,2,4-Trichlorobenzene	4.4	U H	4.4	0.27	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,2-Dibromo-3-Chloropropane	4.4	U H	4.4	2.2	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,2-Dichlorobenzene	4.4	U H UJ	4.4	0.35	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1

Client Sample ID: QNSB-MW-107 (62-65`)
Lab Sample ID: 480-214367-2
Date Collected: 10/30/23 11:15
Matrix: Solid
Date Received: 11/01/23 11:00
Percent Solids: 82.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	4.4	U H UJ	4.4	0.22	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,2-Dichloropropane	4.4	U H	4.4	2.2	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,3-Dichlorobenzene	4.4	U H	4.4	0.23	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,4-Dichlorobenzene	4.4	U H	4.4	0.62	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
2-Butanone (MEK)	22	U H	22	1.6	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
2-Hexanone	22	U H	22	2.2	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
4-Methyl-2-pentanone (MIBK)	22	U H	22	1.5	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Acetone	22	U H	22	3.7	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Benzene	4.4	U H	4.4	0.22	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Bromodichloromethane	4.4	U H	4.4	0.59	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Bromoform	4.4	U H	4.4	2.2	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Bromomethane	4.4	U H	4.4	0.40	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Carbon disulfide	4.4	U H	4.4	2.2	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Carbon tetrachloride	4.4	U H	4.4	0.43	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Chlorobenzene	4.4	U H	4.4	0.59	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Dibromochloromethane	4.4	U H	4.4	0.57	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Chloroethane	4.4	U H UJ	4.4	1.0	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Chloroform	ND ~~0.27~~	~~J H~~ 4.4 UJ	4.4	0.27	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Chloromethane	4.4	U H UJ	4.4	0.27	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
cis-1,2-Dichloroethene	4.4	U H	4.4	0.57	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
cis-1,3-Dichloropropene	4.4	U H	4.4	0.64	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Cyclohexane	4.4	U H	4.4	0.62	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Dichlorodifluoromethane	4.4	U H	4.4	0.37	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Ethylbenzene	4.4	U H	4.4	0.31	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
1,2-Dibromoethane	4.4	U H	4.4	0.57	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Isopropylbenzene	4.4	U H	4.4	0.67	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Methyl acetate	22	U H	22	2.7	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Methyl tert-butyl ether	4.4	U H	4.4	0.44	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Methylcyclohexane	4.4	U H	4.4	0.67	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Methylene Chloride	4.4	U H	4.4	2.0	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Styrene	4.4	U H	4.4	0.22	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Tetrachloroethene	4.4	U H	4.4	0.59	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Toluene	4.4	U H	4.4	0.34	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
trans-1,2-Dichloroethene	4.4	U H	4.4	0.46	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
trans-1,3-Dichloropropene	4.4	U H	4.4	2.0	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Trichloroethene	4.4	U H	4.4	0.98	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Trichlorofluoromethane	4.4	U H	4.4	0.42	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Vinyl chloride	4.4	U H	4.4	0.54	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1
Xylenes, Total	8.9	U H UJ	8.9	0.74	ug/Kg	☼	11/01/23 16:20	11/05/23 11:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H*	*ug/Kg*	☼		*N/A*	*11/01/23 16:20*	*11/05/23 11:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*71 - 125*	*11/01/23 16:20*	*11/05/23 11:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*11/01/23 16:20*	*11/05/23 11:09*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*11/01/23 16:20*	*11/05/23 11:09*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*11/01/23 16:20*	*11/05/23 11:09*	*1*

Client Sample ID: QNSB-MW-107 (62-65`)
Date Collected: 10/30/23 11:15
Date Received: 11/01/23 11:00

Lab Sample ID: 480-214367-2
Matrix: Solid
Percent Solids: 82.0

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	81	U	81	13	ug/Kg	☼	11/07/23 07:53	11/08/23 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*35 - 105*	*11/07/23 07:53*	*11/08/23 17:53*	*1*
2-Fluorophenol (Surr)	*60*		*32 - 105*	*11/07/23 07:53*	*11/08/23 17:53*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*20 - 119*	*11/07/23 07:53*	*11/08/23 17:53*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*11/07/23 07:53*	*11/08/23 17:53*	*1*
Phenol-d5 (Surr)	*67*		*34 - 105*	*11/07/23 07:53*	*11/08/23 17:53*	*1*
Terphenyl-d14 (Surr)	*67*		*20 - 117*	*11/07/23 07:53*	*11/08/23 17:53*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.98	U	0.98	0.045	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluoropentanoic acid (PFPeA)	0.49	U	0.49	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.027	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.051	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.015	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.091	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.034	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.068	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.034	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorotetradecanoic acid (PFTeDA)	0.24	U	0.24	0.021	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.017	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluoropentanesulfonic acid (PFPeS)	0.24	U	0.24	0.016	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.024	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.034	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.068	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorononanesulfonic acid (PFNS)	0.24	U	0.24	0.034	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.024	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorododecanesulfonic acid (PFDoS)	0.24	U	0.24	0.021	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
4:2 FTS	0.98	U	0.98	0.094	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
6:2 FTS	0.98	U	0.98	0.59	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
8:2 FTS	0.98	U	0.98	0.14	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
Perfluorooctanesulfonamide (PFOSA)	0.24	U	0.24	0.015	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
NMeFOSA	0.24	U	0.24	0.029	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
NEtFOSA	0.24	U	0.24	0.038	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
NMeFOSAA	0.24	U	0.24	0.030	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
NEtFOSAA	0.24	U	0.24	0.029	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
NMeFOSE	2.4	U	2.4	0.12	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
NEtFOSE	2.4	U	2.4	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
HFPO-DA (GenX)	0.98	U	0.98	0.11	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.98	U	0.98	0.099	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
PFMBA	0.49	U	0.49	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
NFDHA	0.49	U	0.49	0.059	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
PFMPA	0.49	U	0.49	0.11	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
9Cl-PF3ONS	0.98	U	0.98	0.062	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1

Client Sample ID: QNSB-MW-107 (62-65`)
Lab Sample ID: 480-214367-2

Date Collected: 10/30/23 11:15
Matrix: Solid
Date Received: 11/01/23 11:00
Percent Solids: 82.0

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11Cl-PF3OUdS	0.98	U	0.98	0.15	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
PFEESA	0.49	U	0.49	0.049	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
3:3 FTCA	1.2	U	1.2	0.21	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
5:3 FTCA	6.1	U	6.1	0.45	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1
7:3 FTCA	6.1	U	6.1	0.37	ug/Kg	☼	11/22/23 07:52	11/28/23 13:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C5 PFPeA	*92*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C5 PFHxA	*92*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C4 PFHpA	*89*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C8 PFOA	*93*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C9 PFNA	*91*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C6 PFDA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C7 PFUnA	*100*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C2 PFDoA	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C2 PFTeDA	*95*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C3 PFBS	*97*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C3 PFHxS	*93*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C8 PFOS	*84*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C8 FOSA	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
d3-NMeFOSAA	*100*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
d5-NEtFOSAA	*99*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
M2-4:2 FTS	*100*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
M2-6:2 FTS	*100*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
M2-8:2 FTS	*99*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
13C3 HFPO-DA	*97*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
d7-N-MeFOSE-M	*92*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
d9-N-EtFOSE-M	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
d5-NEtPFOSA	*64*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*
d3-NMePFOSA	*63*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:10*	*1*

Client Sample ID: TRIP BLANKS (10/30/2023)
Lab Sample ID: 480-214367-3

Date Collected: 10/30/23 00:00
Matrix: Water
Date Received: 11/01/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/04/23 05:41	1
1,1,2,2-Tetrachloroethane	1.0	U UJ	1.0	0.21	ug/L			11/04/23 05:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/04/23 05:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/04/23 05:41	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/04/23 05:41	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/04/23 05:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/04/23 05:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/04/23 05:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/04/23 05:41	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/04/23 05:41	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/04/23 05:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/04/23 05:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/04/23 05:41	1

Client Sample ID: TRIP BLANKS (10/30/2023)
Lab Sample ID: 480-214367-3
Date Collected: 10/30/23 00:00
Matrix: Water
Date Received: 11/01/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/04/23 05:41	1
2-Hexanone	5.0	~~U~~ UJ	5.0	1.2	ug/L			11/04/23 05:41	1
4-Methyl-2-pentanone (MIBK)	5.0	~~U~~ UJ	5.0	2.1	ug/L			11/04/23 05:41	1
Acetone	10	U	10	3.0	ug/L			11/04/23 05:41	1
Benzene	1.0	U	1.0	0.41	ug/L			11/04/23 05:41	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/04/23 05:41	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/04/23 05:41	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/04/23 05:41	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/04/23 05:41	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/04/23 05:41	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/04/23 05:41	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/04/23 05:41	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/04/23 05:41	1
Chloroform	**0.47**	**J**	1.0	0.34	ug/L			11/04/23 05:41	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/04/23 05:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/04/23 05:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/04/23 05:41	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/04/23 05:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/04/23 05:41	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/04/23 05:41	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/04/23 05:41	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/04/23 05:41	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/04/23 05:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/04/23 05:41	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/04/23 05:41	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/04/23 05:41	1
Styrene	1.0	U	1.0	0.73	ug/L			11/04/23 05:41	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/04/23 05:41	1
Toluene	1.0	U	1.0	0.51	ug/L			11/04/23 05:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/04/23 05:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/04/23 05:41	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/04/23 05:41	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/04/23 05:41	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/04/23 05:41	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/04/23 05:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/04/23 05:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*11/04/23 05:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*11/04/23 05:41*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/04/23 05:41*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*11/04/23 05:41*	*1*

Client Sample ID: QNSB-MW-106 (76-77')
Lab Sample ID: 480-214412-1
Date Collected: 10/31/23 14:00
Matrix: Solid
Date Received: 11/02/23 10:30
Percent Solids: 90.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	~~U~~ UJ	4.3	0.98	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.1	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,2-Dichloropropane	4.3	U	4.3	2.1	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
2-Butanone (MEK)	21	~~U~~ UJ	21	1.6	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Acetone	**22**		21	3.6	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Bromoform	4.3	U	4.3	2.1	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Carbon disulfide	4.3	U	4.3	2.1	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Chloroethane	4.3	U	4.3	0.97	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Chloromethane	4.3	~~U *+~~ UJ	4.3	0.26	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Cyclohexane	4.3	~~U *+~~ UJ	4.3	0.60	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Dichlorodifluoromethane	4.3	~~U~~ UJ	4.3	0.35	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Methyl acetate	21	U	21	2.6	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Methylcyclohexane	4.3	~~U~~ UJ	4.3	0.65	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Styrene	4.3	U	4.3	0.21	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Toluene	4.3	U	4.3	0.32	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Trichloroethene	4.3	U	4.3	0.94	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Trichlorofluoromethane	4.3	~~U~~ UJ	4.3	0.41	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Vinyl chloride	4.3	~~U~~ UJ	4.3	0.52	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1
Xylenes, Total	8.6	U	8.6	0.72	ug/Kg	☼	11/02/23 13:00	11/05/23 13:11	1

Client Sample ID: QNSB-MW-106 (76-77')
Date Collected: 10/31/23 14:00
Date Received: 11/02/23 10:30

Lab Sample ID: 480-214412-1
Matrix: Solid
Percent Solids: 90.9

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	11/02/23 13:00	11/05/23 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		71 - 125	11/02/23 13:00	11/05/23 13:11	1
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	11/02/23 13:00	11/05/23 13:11	1
4-Bromofluorobenzene (Surr)	95		72 - 126	11/02/23 13:00	11/05/23 13:11	1
Dibromofluoromethane (Surr)	100		60 - 140	11/02/23 13:00	11/05/23 13:11	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	72	U	72	11	ug/Kg	☼	11/07/23 07:53	11/08/23 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	56		35 - 105	11/07/23 07:53	11/08/23 18:15	1
2-Fluorophenol (Surr)	48		32 - 105	11/07/23 07:53	11/08/23 18:15	1
2,4,6-Tribromophenol (Surr)	43		20 - 119	11/07/23 07:53	11/08/23 18:15	1
Nitrobenzene-d5 (Surr)	62		34 - 109	11/07/23 07:53	11/08/23 18:15	1
Phenol-d5 (Surr)	58		34 - 105	11/07/23 07:53	11/08/23 18:15	1
Terphenyl-d14 (Surr)	59		20 - 117	11/07/23 07:53	11/08/23 18:15	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.88	U	0.88	0.041	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluoropentanoic acid (PFPeA)	0.44	U	0.44	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.024	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.046	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.013	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.083	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.062	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorotetradecanoic acid (PFTeDA)	0.22	U	0.22	0.019	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.015	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluoropentanesulfonic acid (PFPeS)	0.22	U	0.22	0.014	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.022	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.062	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorononanesulfonic acid (PFNS)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.022	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorododecanesulfonic acid (PFDoS)	0.22	U	0.22	0.019	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
4:2 FTS	0.88	U	0.88	0.085	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
6:2 FTS	0.88	U	0.88	0.53	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
8:2 FTS	0.88	U	0.88	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
Perfluorooctanesulfonamide (PFOSA)	0.22	U	0.22	0.013	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
NMeFOSA	0.22	U	0.22	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
NEtFOSA	0.22	U	0.22	0.034	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
NMeFOSAA	0.22	U	0.22	0.028	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
NEtFOSAA	0.22	U	0.22	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1

Client Sample ID: QNSB-MW-106 (76-77')
Lab Sample ID: 480-214412-1

Date Collected: 10/31/23 14:00
Matrix: Solid
Date Received: 11/02/23 10:30
Percent Solids: 90.9

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	2.2	U	2.2	0.11	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
NEtFOSE	2.2	U	2.2	0.12	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
HFPO-DA (GenX)	0.88	U	0.88	0.10	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.88	U	0.88	0.089	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
PFMBA	0.44	U	0.44	0.021	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
NFDHA	0.44	U	0.44	0.053	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
PFMPA	0.44	U	0.44	0.10	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
9Cl-PF3ONS	0.88	U	0.88	0.056	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
11Cl-PF3OUdS	0.88	U	0.88	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
PFEESA	0.44	U	0.44	0.044	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
3:3 FTCA	1.1	U	1.1	0.19	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
5:3 FTCA	5.5	U	5.5	0.40	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1
7:3 FTCA	5.5	U	5.5	0.34	ug/Kg	☼	11/22/23 07:52	11/28/23 13:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C5 PFPeA	*89*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C5 PFHxA	*87*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C4 PFHpA	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C8 PFOA	*87*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C9 PFNA	*87*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C6 PFDA	*82*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C7 PFUnA	*82*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C2 PFDoA	*75*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C2 PFTeDA	*82*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C3 PFBS	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C3 PFHxS	*87*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C8 PFOS	*76*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C8 FOSA	*77*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
d3-NMeFOSAA	*92*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
d5-NEtFOSAA	*89*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
M2-4:2 FTS	*100*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
M2-6:2 FTS	*93*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
M2-8:2 FTS	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
13C3 HFPO-DA	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
d7-N-MeFOSE-M	*80*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
d9-N-EtFOSE-M	*78*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
d5-NEtPFOSA	*55*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*
d3-NMePFOSA	*55*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:30*	*1*

Client Sample ID: QNSB-MW-106 EB
Lab Sample ID: 480-214412-2

Date Collected: 10/31/23 14:40
Matrix: Water
Date Received: 11/02/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/07/23 01:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/07/23 01:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/07/23 01:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/07/23 01:35	1

Client Sample ID: QNSB-MW-106 EB
Lab Sample ID: 480-214412-2

Date Collected: 10/31/23 14:40
Matrix: Water
Date Received: 11/02/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/07/23 01:35	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/07/23 01:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/07/23 01:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/07/23 01:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/07/23 01:35	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/07/23 01:35	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/07/23 01:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/07/23 01:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/07/23 01:35	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/07/23 01:35	1
2-Hexanone	5.0	~~U~~ UJ	5.0	1.2	ug/L			11/07/23 01:35	1
4-Methyl-2-pentanone (MIBK)	5.0	~~U~~ UJ	5.0	2.1	ug/L			11/07/23 01:35	1
Acetone	10	U	10	3.0	ug/L			11/07/23 01:35	1
Benzene	1.0	U	1.0	0.41	ug/L			11/07/23 01:35	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/07/23 01:35	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/07/23 01:35	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/07/23 01:35	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/07/23 01:35	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/07/23 01:35	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/07/23 01:35	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/07/23 01:35	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/07/23 01:35	1
Chloroform	1.0	U	1.0	0.34	ug/L			11/07/23 01:35	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/07/23 01:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/07/23 01:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/07/23 01:35	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/07/23 01:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/07/23 01:35	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/07/23 01:35	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/07/23 01:35	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/07/23 01:35	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/07/23 01:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/07/23 01:35	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/07/23 01:35	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/07/23 01:35	1
Styrene	1.0	U	1.0	0.73	ug/L			11/07/23 01:35	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/07/23 01:35	1
Toluene	1.0	U	1.0	0.51	ug/L			11/07/23 01:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/07/23 01:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/07/23 01:35	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/07/23 01:35	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/07/23 01:35	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/07/23 01:35	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/07/23 01:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/07/23 01:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/07/23 01:35*	*1*

Client Sample ID: QNSB-MW-106 EB
Lab Sample ID: 480-214412-2

Date Collected: 10/31/23 14:40
Matrix: Water
Date Received: 11/02/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/07/23 01:35*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/07/23 01:35*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*11/07/23 01:35*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		11/03/23 15:59	11/06/23 23:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*42*		*15 - 110*	*11/03/23 15:59*	*11/06/23 23:06*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.7	U	7.7	1.9	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluoropentanoic acid (PFPeA)	3.8	U	3.8	0.96	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorohexanoic acid (PFHxA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.50	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.62	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.29	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.55	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.38	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.38	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.87	ng/L		11/17/23 08:53	11/20/23 20:12	1
4:2 FTS	7.7	U	7.7	1.6	ng/L		11/17/23 08:53	11/20/23 20:12	1
6:2 FTS	7.7	U	7.7	2.4	ng/L		11/17/23 08:53	11/20/23 20:12	1
8:2 FTS	7.7	U	7.7	2.5	ng/L		11/17/23 08:53	11/20/23 20:12	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
NMeFOSA	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
NEtFOSA	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
NMeFOSAA	3.8	U	3.8	1.2	ng/L		11/17/23 08:53	11/20/23 20:12	1
NEtFOSAA	1.9	U	1.9	0.67	ng/L		11/17/23 08:53	11/20/23 20:12	1
NMeFOSE	19	U	19	4.8	ng/L		11/17/23 08:53	11/20/23 20:12	1
NEtFOSE	19	U	19	4.8	ng/L		11/17/23 08:53	11/20/23 20:12	1
HFPO-DA (GenX)	7.7	U	7.7	1.9	ng/L		11/17/23 08:53	11/20/23 20:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.7	U	7.7	1.4	ng/L		11/17/23 08:53	11/20/23 20:12	1
PFMBA	3.8	U	3.8	0.96	ng/L		11/17/23 08:53	11/20/23 20:12	1
NFDHA	3.8	U	3.8	0.96	ng/L		11/17/23 08:53	11/20/23 20:12	1
PFMPA	3.8	U	3.8	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1

Client Sample ID: QNSB-MW-106 EB
Lab Sample ID: 480-214412-2

Date Collected: 10/31/23 14:40
Matrix: Water
Date Received: 11/02/23 10:30

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9Cl-PF3ONS	7.7	U	7.7	0.96	ng/L		11/17/23 08:53	11/20/23 20:12	1
11Cl-PF3OUdS	7.7	U	7.7	1.9	ng/L		11/17/23 08:53	11/20/23 20:12	1
PFEESA	3.8	U	3.8	0.48	ng/L		11/17/23 08:53	11/20/23 20:12	1
3:3 FTCA	9.6	U	9.6	1.4	ng/L		11/17/23 08:53	11/20/23 20:12	1
5:3 FTCA	48	U	48	9.6	ng/L		11/17/23 08:53	11/20/23 20:12	1
7:3 FTCA	48	U	48	9.6	ng/L		11/17/23 08:53	11/20/23 20:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C5 PFPeA	*89*		*35 - 150*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C5 PFHxA	*101*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C4 PFHpA	*90*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C8 PFOA	*85*		*60 - 140*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C9 PFNA	*93*		*55 - 140*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C6 PFDA	*95*		*50 - 140*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C7 PFUnA	*85*		*30 - 140*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C2 PFDoA	*84*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C2 PFTeDA	*67*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C3 PFBS	*91*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C3 PFHxS	*99*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C8 PFOS	*90*		*45 - 140*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C8 FOSA	*88*		*30 - 130*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
d3-NMeFOSAA	*90*		*45 - 200*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
d5-NEtFOSAA	*91*		*10 - 200*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
M2-4:2 FTS	*102*		*60 - 200*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
M2-6:2 FTS	*87*		*60 - 200*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
M2-8:2 FTS	*86*		*50 - 200*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
13C3 HFPO-DA	*95*		*25 - 160*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
d7-N-MeFOSE-M	*78*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
d9-N-EtFOSE-M	*77*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
d5-NEtPFOSA	*66*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:12*	*1*
d3-NMePFOSA	*71*		*15 - 130*	*11/17/23 08:53*	*11/20/23 20:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	4.0	U	4.0	4.0	mg/L			11/14/23 08:01	1

Client Sample ID: TRIP BLANK (10/31/2023)
Lab Sample ID: 480-214412-3

Date Collected: 10/31/23 00:00
Matrix: Water
Date Received: 11/02/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/07/23 01:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/07/23 01:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/07/23 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/07/23 01:58	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/07/23 01:58	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/07/23 01:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/07/23 01:58	1

Client Sample ID: TRIP BLANK (10/31/2023)
Lab Sample ID: 480-214412-3
Date Collected: 10/31/23 00:00
Matrix: Water
Date Received: 11/02/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/07/23 01:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/07/23 01:58	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/07/23 01:58	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/07/23 01:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/07/23 01:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/07/23 01:58	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/07/23 01:58	1
2-Hexanone	5.0	~~U~~ UJ	5.0	1.2	ug/L			11/07/23 01:58	1
4-Methyl-2-pentanone (MIBK)	5.0	~~U~~ UJ	5.0	2.1	ug/L			11/07/23 01:58	1
Acetone	10	U	10	3.0	ug/L			11/07/23 01:58	1
Benzene	1.0	U	1.0	0.41	ug/L			11/07/23 01:58	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/07/23 01:58	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/07/23 01:58	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/07/23 01:58	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/07/23 01:58	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/07/23 01:58	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/07/23 01:58	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/07/23 01:58	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/07/23 01:58	1
Chloroform	**0.47**	**J**	1.0	0.34	ug/L			11/07/23 01:58	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/07/23 01:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/07/23 01:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/07/23 01:58	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/07/23 01:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/07/23 01:58	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/07/23 01:58	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/07/23 01:58	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/07/23 01:58	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/07/23 01:58	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/07/23 01:58	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/07/23 01:58	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/07/23 01:58	1
Styrene	1.0	U	1.0	0.73	ug/L			11/07/23 01:58	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/07/23 01:58	1
Toluene	1.0	U	1.0	0.51	ug/L			11/07/23 01:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/07/23 01:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/07/23 01:58	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/07/23 01:58	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/07/23 01:58	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/07/23 01:58	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/07/23 01:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/07/23 01:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*11/07/23 01:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/07/23 01:58*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/07/23 01:58*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*11/07/23 01:58*	*1*

Client Sample ID: QNSB-MW-105 (57-58)
Date Collected: 11/01/23 14:00
Date Received: 11/03/23 10:30

Lab Sample ID: 480-214487-1
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	~~U~~ UJ	4.4	0.99	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,1-Dichloroethane	4.4	U	4.4	0.53	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,1-Dichloroethene	4.4	U	4.4	0.53	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.26	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,3-Dichlorobenzene	4.4	U	4.4	0.22	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,4-Dichlorobenzene	4.4	U	4.4	0.61	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
2-Butanone (MEK)	22	~~U~~ UJ	22	1.6	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Acetone	22	U	22	3.7	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Benzene	4.4	U	4.4	0.21	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Bromodichloromethane	4.4	U	4.4	0.58	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Bromomethane	4.4	U	4.4	0.39	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Carbon tetrachloride	4.4	U	4.4	0.42	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Chloroethane	4.4	U	4.4	0.98	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Chloromethane	4.4	~~U~~ *+ UJ	4.4	0.26	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Cyclohexane	4.4	~~U~~ *+ UJ	4.4	0.61	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Dichlorodifluoromethane	4.4	~~U~~ UJ	4.4	0.36	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Methyl acetate	22	U	22	2.6	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Methylcyclohexane	4.4	~~U~~ UJ	4.4	0.66	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Tetrachloroethene	4.4	U	4.4	0.58	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Trichloroethene	4.4	U	4.4	0.96	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Trichlorofluoromethane	4.4	~~U~~ UJ	4.4	0.41	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Vinyl chloride	4.4	~~U~~ UJ	4.4	0.53	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	11/03/23 11:00	11/07/23 23:42	1

Client Sample ID: QNSB-MW-105 (57-58)
Lab Sample ID: 480-214487-1

Date Collected: 11/01/23 14:00
Matrix: Solid

Date Received: 11/03/23 10:30
Percent Solids: 90.2

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	11/03/23 11:00	11/07/23 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		71 - 125	11/03/23 11:00	11/07/23 23:42	1
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	11/03/23 11:00	11/07/23 23:42	1
4-Bromofluorobenzene (Surr)	96		72 - 126	11/03/23 11:00	11/07/23 23:42	1
Dibromofluoromethane (Surr)	99		60 - 140	11/03/23 11:00	11/07/23 23:42	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	73	U	73	11	ug/Kg	☼	11/07/23 07:53	11/08/23 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		35 - 105	11/07/23 07:53	11/08/23 18:36	1
2-Fluorophenol (Surr)	53		32 - 105	11/07/23 07:53	11/08/23 18:36	1
2,4,6-Tribromophenol (Surr)	50		20 - 119	11/07/23 07:53	11/08/23 18:36	1
Nitrobenzene-d5 (Surr)	66		34 - 109	11/07/23 07:53	11/08/23 18:36	1
Phenol-d5 (Surr)	60		34 - 105	11/07/23 07:53	11/08/23 18:36	1
Terphenyl-d14 (Surr)	60		20 - 117	11/07/23 07:53	11/08/23 18:36	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.87	U	0.87	0.040	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluoropentanoic acid (PFPeA)	0.43	U	0.43	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.024	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.046	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.013	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.081	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.030	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.061	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.030	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorotetradecanoic acid (PFTeDA)	0.22	U	0.22	0.018	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.015	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluoropentanesulfonic acid (PFPeS)	0.22	U	0.22	0.014	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.022	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.030	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.061	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorononanesulfonic acid (PFNS)	0.22	U	0.22	0.030	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.022	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorododecanesulfonic acid (PFDoS)	0.22	U	0.22	0.018	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
4:2 FTS	0.87	U	0.87	0.084	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
6:2 FTS	0.87	U	0.87	0.53	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
8:2 FTS	0.87	U	0.87	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
Perfluorooctanesulfonamide (PFOSA)	0.22	U	0.22	0.013	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
NMeFOSA	0.22	U	0.22	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
NEtFOSA	0.22	U	0.22	0.034	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
NMeFOSAA	0.22	U	0.22	0.027	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
NEtFOSAA	0.22	U	0.22	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1

Client Sample ID: QNSB-MW-105 (57-58)
Lab Sample ID: 480-214487-1

Date Collected: 11/01/23 14:00
Matrix: Solid
Date Received: 11/03/23 10:30
Percent Solids: 90.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	2.2	U	2.2	0.11	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
NEtFOSE	2.2	U	2.2	0.12	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
HFPO-DA (GenX)	0.87	U	0.87	0.10	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.87	U	0.87	0.088	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
PFMBA	0.43	U	0.43	0.021	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
NFDHA	0.43	U	0.43	0.052	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
PFMPA	0.43	U	0.43	0.099	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
9Cl-PF3ONS	0.87	U	0.87	0.055	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
11Cl-PF3OUdS	0.87	U	0.87	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
PFEESA	0.43	U	0.43	0.043	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
3:3 FTCA	1.1	U	1.1	0.19	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
5:3 FTCA	5.4	U	5.4	0.40	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1
7:3 FTCA	5.4	U	5.4	0.33	ug/Kg	☼	11/22/23 07:52	11/28/23 13:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C5 PFPeA	*96*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C5 PFHxA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C4 PFHpA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C8 PFOA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C9 PFNA	*95*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C6 PFDA	*92*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C7 PFUnA	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C2 PFDoA	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C2 PFTeDA	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C3 PFBS	*95*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C3 PFHxS	*97*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C8 PFOS	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C8 FOSA	*84*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
d3-NMeFOSAA	*104*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
d5-NEtFOSAA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
M2-4:2 FTS	*101*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
M2-6:2 FTS	*102*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
M2-8:2 FTS	*97*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
13C3 HFPO-DA	*95*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
d7-N-MeFOSE-M	*84*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
d9-N-EtFOSE-M	*82*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
d5-NEtPFOSA	*53*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*
d3-NMePFOSA	*51*		*20 - 150*	*11/22/23 07:52*	*11/28/23 13:49*	*1*

Client Sample ID: QNSB-105 EB
Lab Sample ID: 480-214487-2

Date Collected: 11/01/23 14:00
Matrix: Water
Date Received: 11/03/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/08/23 17:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/08/23 17:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/08/23 17:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	~~U~~ UJ	1.0	0.31	ug/L			11/08/23 17:37	1

Client Sample ID: QNSB-105 EB
Lab Sample ID: 480-214487-2

Date Collected: 11/01/23 14:00
Matrix: Water
Date Received: 11/03/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/08/23 17:37	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/08/23 17:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/08/23 17:37	1
1,2-Dibromo-3-Chloropropane	1.0	~~U~~ UJ	1.0	0.39	ug/L			11/08/23 17:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/08/23 17:37	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/08/23 17:37	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/08/23 17:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/08/23 17:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/08/23 17:37	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/08/23 17:37	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/08/23 17:37	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/08/23 17:37	1
Acetone	10	U	10	3.0	ug/L			11/08/23 17:37	1
Benzene	1.0	U	1.0	0.41	ug/L			11/08/23 17:37	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/08/23 17:37	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/08/23 17:37	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/08/23 17:37	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/08/23 17:37	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/08/23 17:37	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/08/23 17:37	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/08/23 17:37	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/08/23 17:37	1
Chloroform	ND **1.9**	U	1.0	0.34	ug/L			11/08/23 17:37	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/08/23 17:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/08/23 17:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/08/23 17:37	1
Cyclohexane	1.0	~~U~~ UJ	1.0	0.18	ug/L			11/08/23 17:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/08/23 17:37	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/08/23 17:37	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/08/23 17:37	1
Isopropylbenzene	1.0	~~U~~ UJ	1.0	0.79	ug/L			11/08/23 17:37	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/08/23 17:37	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/08/23 17:37	1
Methylcyclohexane	1.0	~~U~~ UJ	1.0	0.16	ug/L			11/08/23 17:37	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/08/23 17:37	1
Styrene	1.0	U	1.0	0.73	ug/L			11/08/23 17:37	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/08/23 17:37	1
Toluene	1.0	U	1.0	0.51	ug/L			11/08/23 17:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/08/23 17:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/08/23 17:37	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/08/23 17:37	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/08/23 17:37	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/08/23 17:37	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/08/23 17:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/08/23 17:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/08/23 17:37*	*1*

Client Sample ID: QNSB-105 EB
Lab Sample ID: 480-214487-2

Date Collected: 11/01/23 14:00
Matrix: Water
Date Received: 11/03/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/08/23 17:37*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/08/23 17:37*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/08/23 17:37*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		11/06/23 08:43	11/07/23 22:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*44*		*15 - 110*	*11/06/23 08:43*	*11/07/23 22:29*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.4	U	7.4	1.9	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluoropentanoic acid (PFPeA)	3.7	U	3.7	0.93	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorohexanoic acid (PFHxA)	**0.48**	**J**	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.48	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.59	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.28	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.53	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.37	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.37	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.84	ng/L		11/17/23 08:53	11/20/23 20:32	1
4:2 FTS	7.4	U	7.4	1.6	ng/L		11/17/23 08:53	11/20/23 20:32	1
6:2 FTS	7.4	U	7.4	2.3	ng/L		11/17/23 08:53	11/20/23 20:32	1
8:2 FTS	7.4	U	7.4	2.4	ng/L		11/17/23 08:53	11/20/23 20:32	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
NMeFOSA	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
NEtFOSA	1.9	U	1.9	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
NMeFOSAA	3.7	U	3.7	1.1	ng/L		11/17/23 08:53	11/20/23 20:32	1
NEtFOSAA	1.9	U	1.9	0.65	ng/L		11/17/23 08:53	11/20/23 20:32	1
NMeFOSE	19	U	19	4.6	ng/L		11/17/23 08:53	11/20/23 20:32	1
NEtFOSE	19	U	19	4.6	ng/L		11/17/23 08:53	11/20/23 20:32	1
HFPO-DA (GenX)	7.4	U	7.4	1.9	ng/L		11/17/23 08:53	11/20/23 20:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.4	U	7.4	1.4	ng/L		11/17/23 08:53	11/20/23 20:32	1
PFMBA	3.7	U	3.7	0.93	ng/L		11/17/23 08:53	11/20/23 20:32	1
NFDHA	3.7	U	3.7	0.93	ng/L		11/17/23 08:53	11/20/23 20:32	1
PFMPA	3.7	U	3.7	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1

Client Sample ID: QNSB-105 EB
Lab Sample ID: 480-214487-2

Date Collected: 11/01/23 14:00
Matrix: Water
Date Received: 11/03/23 10:30

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9Cl-PF3ONS	7.4	U	7.4	0.93	ng/L		11/17/23 08:53	11/20/23 20:32	1
11Cl-PF3OUdS	7.4	U	7.4	1.9	ng/L		11/17/23 08:53	11/20/23 20:32	1
PFEESA	3.7	U	3.7	0.46	ng/L		11/17/23 08:53	11/20/23 20:32	1
3:3 FTCA	9.3	U	9.3	1.4	ng/L		11/17/23 08:53	11/20/23 20:32	1
5:3 FTCA	46	U	46	9.3	ng/L		11/17/23 08:53	11/20/23 20:32	1
7:3 FTCA	46	U	46	9.3	ng/L		11/17/23 08:53	11/20/23 20:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C5 PFPeA	*95*		*35 - 150*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C5 PFHxA	*90*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C4 PFHpA	*85*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C8 PFOA	*86*		*60 - 140*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C9 PFNA	*87*		*55 - 140*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C6 PFDA	*89*		*50 - 140*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C7 PFUnA	*103*		*30 - 140*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C2 PFDoA	*78*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C2 PFTeDA	*67*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C3 PFBS	*76*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C3 PFHxS	*86*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C8 PFOS	*88*		*45 - 140*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C8 FOSA	*72*		*30 - 130*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
d3-NMeFOSAA	*87*		*45 - 200*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
d5-NEtFOSAA	*80*		*10 - 200*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
M2-4:2 FTS	*70*		*60 - 200*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
M2-6:2 FTS	*73*		*60 - 200*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
M2-8:2 FTS	*69*		*50 - 200*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
13C3 HFPO-DA	*90*		*25 - 160*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
d7-N-MeFOSE-M	*60*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
d9-N-EtFOSE-M	*63*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
d5-NEtPFOSA	*56*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:32*	*1*
d3-NMePFOSA	*58*		*15 - 130*	*11/17/23 08:53*	*11/20/23 20:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	10		4.0	4.0	mg/L			11/14/23 08:01	1

Client Sample ID: TRIP BLANK (11/01/2023)
Lab Sample ID: 480-214487-3

Date Collected: 11/01/23 00:00
Matrix: Water
Date Received: 11/03/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/08/23 18:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/08/23 18:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/08/23 18:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U UJ	1.0	0.31	ug/L			11/08/23 18:24	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/08/23 18:24	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/08/23 18:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/08/23 18:24	1

Client Sample ID: TRIP BLANK (11/01/2023)

Lab Sample ID: 480-214487-3

Date Collected: 11/01/23 00:00
Matrix: Water
Date Received: 11/03/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	~~U~~ UJ	1.0	0.39	ug/L			11/08/23 18:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/08/23 18:24	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/08/23 18:24	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/08/23 18:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/08/23 18:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/08/23 18:24	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/08/23 18:24	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/08/23 18:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/08/23 18:24	1
Acetone	10	U	10	3.0	ug/L			11/08/23 18:24	1
Benzene	1.0	U	1.0	0.41	ug/L			11/08/23 18:24	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/08/23 18:24	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/08/23 18:24	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/08/23 18:24	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/08/23 18:24	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/08/23 18:24	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/08/23 18:24	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/08/23 18:24	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/08/23 18:24	1
Chloroform	**2.1**		1.0	0.34	ug/L			11/08/23 18:24	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/08/23 18:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/08/23 18:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/08/23 18:24	1
Cyclohexane	1.0	~~U~~ UJ	1.0	0.18	ug/L			11/08/23 18:24	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/08/23 18:24	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/08/23 18:24	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/08/23 18:24	1
Isopropylbenzene	1.0	~~U~~ UJ	1.0	0.79	ug/L			11/08/23 18:24	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/08/23 18:24	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/08/23 18:24	1
Methylcyclohexane	1.0	~~U~~ UJ	1.0	0.16	ug/L			11/08/23 18:24	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/08/23 18:24	1
Styrene	1.0	U	1.0	0.73	ug/L			11/08/23 18:24	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/08/23 18:24	1
Toluene	1.0	U	1.0	0.51	ug/L			11/08/23 18:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/08/23 18:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/08/23 18:24	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/08/23 18:24	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/08/23 18:24	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/08/23 18:24	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/08/23 18:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/08/23 18:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/08/23 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/08/23 18:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/08/23 18:24*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/08/23 18:24*	*1*

Client Sample ID: QNSB-MW-103 (33-34')
Lab Sample ID: 480-214614-1

Date Collected: 11/06/23 10:15
Matrix: Solid

Date Received: 11/08/23 09:00
Percent Solids: 90.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	U H UJ	3.9	0.28	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,1,2,2-Tetrachloroethane	3.9	U H F1	3.9	0.63	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,1,2-Trichloroethane	3.9	U H	3.9	0.51	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	U H	3.9	0.89	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,1-Dichloroethane	3.9	U H	3.9	0.48	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,1-Dichloroethene	3.9	U H	3.9	0.48	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,2,4-Trichlorobenzene	3.9	U H	3.9	0.24	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,2-Dibromo-3-Chloropropane	3.9	U H	3.9	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,2-Dichlorobenzene	3.9	U H	3.9	0.31	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,2-Dichloroethane	3.9	U H F1	3.9	0.20	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,2-Dichloropropane	3.9	U H	3.9	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,3-Dichlorobenzene	3.9	U H	3.9	0.20	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,4-Dichlorobenzene	3.9	U H	3.9	0.55	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
2-Butanone (MEK)	20	U H F1	20	1.4	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
2-Hexanone	20	U H	20	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
4-Methyl-2-pentanone (MIBK)	20	U H UJ	20	1.3	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Acetone	**6.7**	**J H F1 F2** J	20	3.3	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Benzene	3.9	U H UJ	3.9	0.19	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Bromodichloromethane	3.9	U H	3.9	0.52	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Bromoform	3.9	U H F1	3.9	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Bromomethane	3.9	U H	3.9	0.35	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Carbon disulfide	3.9	U H	3.9	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Carbon tetrachloride	3.9	U H	3.9	0.38	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Chlorobenzene	3.9	U H	3.9	0.52	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Dibromochloromethane	3.9	U H	3.9	0.50	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Chloroethane	3.9	U H UJ	3.9	0.88	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Chloroform	ND	**0.28 J H** 3.9 UJ	3.9	0.24	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Chloromethane	3.9	U H F1 UJ	3.9	0.24	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
cis-1,2-Dichloroethene	3.9	U H	3.9	0.50	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
cis-1,3-Dichloropropene	3.9	U H	3.9	0.56	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Cyclohexane	3.9	U H	3.9	0.55	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Dichlorodifluoromethane	3.9	U H	3.9	0.32	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Ethylbenzene	3.9	U H	3.9	0.27	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
1,2-Dibromoethane	3.9	U H F1	3.9	0.50	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Isopropylbenzene	3.9	U H	3.9	0.59	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Methyl acetate	20	U H F1	20	2.4	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Methyl tert-butyl ether	3.9	U H	3.9	0.38	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Methylcyclohexane	3.9	U H UJ	3.9	0.59	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Methylene Chloride	**8.0**	**H B** J-	3.9	1.8	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Styrene	3.9	U H UJ	3.9	0.20	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Tetrachloroethene	3.9	U H	3.9	0.52	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Toluene	3.9	U H	3.9	0.30	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
trans-1,2-Dichloroethene	3.9	U H	3.9	0.40	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
trans-1,3-Dichloropropene	3.9	U H	3.9	1.7	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Trichloroethene	3.9	U H	3.9	0.86	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Trichlorofluoromethane	3.9	U H	3.9	0.37	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Vinyl chloride	3.9	U H	3.9	0.48	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1
Xylenes, Total	7.8	U H UJ	7.8	0.66	ug/Kg	☼	11/08/23 10:30	11/08/23 21:53	1

Client Sample ID: QNSB-MW-103 (33-34')
Lab Sample ID: 480-214614-1

Date Collected: 11/06/23 10:15
Matrix: Solid

Date Received: 11/08/23 09:00
Percent Solids: 90.7

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None	H	ug/Kg	☼		N/A	11/08/23 10:30	11/08/23 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		71 - 125	11/08/23 10:30	11/08/23 21:53	1
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	11/08/23 10:30	11/08/23 21:53	1
4-Bromofluorobenzene (Surr)	91		72 - 126	11/08/23 10:30	11/08/23 21:53	1
Dibromofluoromethane (Surr)	91		60 - 140	11/08/23 10:30	11/08/23 21:53	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	74	U	74	11	ug/Kg	☼	11/20/23 08:12	11/21/23 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	63		35 - 105	11/20/23 08:12	11/21/23 07:14	1
2-Fluorophenol (Surr)	55		32 - 105	11/20/23 08:12	11/21/23 07:14	1
2,4,6-Tribromophenol (Surr)	54		20 - 119	11/20/23 08:12	11/21/23 07:14	1
Nitrobenzene-d5 (Surr)	60		34 - 109	11/20/23 08:12	11/21/23 07:14	1
Phenol-d5 (Surr)	61		34 - 105	11/20/23 08:12	11/21/23 07:14	1
Terphenyl-d14 (Surr)	65		20 - 117	11/20/23 08:12	11/21/23 07:14	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.88	U	0.88	0.041	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluoropentanoic acid (PFPeA)	0.44	U	0.44	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.024	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.046	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.013	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.083	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.062	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorotetradecanoic acid (PFTeDA)	0.22	U	0.22	0.019	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.015	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluoropentanesulfonic acid (PFPeS)	0.22	U	0.22	0.014	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.022	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.062	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorononanesulfonic acid (PFNS)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.022	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorododecanesulfonic acid (PFDoS)	0.22	U	0.22	0.019	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
4:2 FTS	0.88	U	0.88	0.085	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
6:2 FTS	0.88	U	0.88	0.53	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
8:2 FTS	0.88	U	0.88	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
Perfluorooctanesulfonamide (PFOSA)	0.22	U	0.22	0.013	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
NMeFOSA	0.22	U	0.22	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
NEtFOSA	0.22	U	0.22	0.034	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
NMeFOSAA	0.22	U	0.22	0.028	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
NEtFOSAA	0.22	U	0.22	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1

Client Sample ID: QNSB-MW-103 (33-34')
Lab Sample ID: 480-214614-1

Date Collected: 11/06/23 10:15
Matrix: Solid
Date Received: 11/08/23 09:00
Percent Solids: 90.7

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	2.2	U	2.2	0.11	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
NEtFOSE	2.2	U	2.2	0.12	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
HFPO-DA (GenX)	0.88	U	0.88	0.10	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.88	U	0.88	0.089	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
PFMBA	0.44	U	0.44	0.021	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
NFDHA	0.44	U	0.44	0.053	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
PFMPA	0.44	U	0.44	0.10	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
9Cl-PF3ONS	0.88	U	0.88	0.056	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
11Cl-PF3OUdS	0.88	U	0.88	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
PFEESA	0.44	U	0.44	0.044	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
3:3 FTCA	1.1	U	1.1	0.19	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
5:3 FTCA	5.5	U	5.5	0.40	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1
7:3 FTCA	5.5	U	5.5	0.34	ug/Kg	☼	11/22/23 07:52	11/28/23 14:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C5 PFPeA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C5 PFHxA	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C4 PFHpA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C8 PFOA	*93*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C9 PFNA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C6 PFDA	*93*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C7 PFUnA	*98*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C2 PFDoA	*86*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C2 PFTeDA	*89*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C3 PFBS	*95*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C3 PFHxS	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C8 PFOS	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C8 FOSA	*89*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
d3-NMeFOSAA	*100*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
d5-NEtFOSAA	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
M2-4:2 FTS	*108*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
M2-6:2 FTS	*96*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
M2-8:2 FTS	*101*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
13C3 HFPO-DA	*94*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
d7-N-MeFOSE-M	*86*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
d9-N-EtFOSE-M	*86*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
d5-NEtPFOSA	*62*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*
d3-NMePFOSA	*61*		*20 - 150*	*11/22/23 07:52*	*11/28/23 14:09*	*1*

Client Sample ID: DUP-02
Lab Sample ID: 480-214614-2

Date Collected: 11/06/23 12:00
Matrix: Solid
Date Received: 11/08/23 09:00
Percent Solids: 91.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	U	3.9	0.29	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,1,2,2-Tetrachloroethane	3.9	U	3.9	0.64	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,1,2-Trichloroethane	3.9	U	3.9	0.51	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	~~U~~ UJ	3.9	0.90	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1

Client Sample ID: DUP-02
Date Collected: 11/06/23 12:00
Date Received: 11/08/23 09:00

Lab Sample ID: 480-214614-2
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	3.9	U	3.9	0.48	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,1-Dichloroethene	3.9	U	3.9	0.48	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,2,4-Trichlorobenzene	3.9	U	3.9	0.24	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,2-Dibromo-3-Chloropropane	3.9	U	3.9	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,2-Dichlorobenzene	3.9	U	3.9	0.31	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,2-Dichloroethane	3.9	U	3.9	0.20	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,2-Dichloropropane	3.9	U	3.9	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,3-Dichlorobenzene	3.9	U	3.9	0.20	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,4-Dichlorobenzene	3.9	U	3.9	0.55	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
2-Butanone (MEK)	20	U	20	1.4	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Acetone	20	U	20	3.3	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Benzene	3.9	U	3.9	0.19	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Bromodichloromethane	3.9	U	3.9	0.53	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Bromoform	3.9	U	3.9	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Bromomethane	3.9	U	3.9	0.35	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Carbon disulfide	3.9	U	3.9	2.0	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Carbon tetrachloride	3.9	U	3.9	0.38	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Chlorobenzene	3.9	U	3.9	0.52	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Dibromochloromethane	3.9	U	3.9	0.50	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Chloroethane	3.9	~~U~~ UJ	3.9	0.89	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Chloroform	ND ~~0.26 J~~ 3.9 U		3.9	0.24	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Chloromethane	3.9	~~U~~ UJ	3.9	0.24	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
cis-1,2-Dichloroethene	3.9	U	3.9	0.50	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
cis-1,3-Dichloropropene	3.9	U	3.9	0.57	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Cyclohexane	3.9	~~U~~ UJ	3.9	0.55	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Dichlorodifluoromethane	3.9	~~U~~ UJ	3.9	0.33	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Ethylbenzene	3.9	U	3.9	0.27	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
1,2-Dibromoethane	3.9	U	3.9	0.51	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Isopropylbenzene	3.9	U	3.9	0.59	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Methyl acetate	20	U	20	2.4	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Methyl tert-butyl ether	3.9	U	3.9	0.39	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Methylcyclohexane	3.9	~~U~~ UJ	3.9	0.60	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Methylene Chloride	**7.3** ~~B~~		3.9	1.8	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Styrene	3.9	U	3.9	0.20	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Tetrachloroethene	3.9	U	3.9	0.53	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Toluene	3.9	U	3.9	0.30	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
trans-1,2-Dichloroethene	3.9	U	3.9	0.41	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
trans-1,3-Dichloropropene	3.9	U	3.9	1.7	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Trichloroethene	3.9	U	3.9	0.87	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Trichlorofluoromethane	3.9	~~U~~ UJ	3.9	0.37	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Vinyl chloride	3.9	~~U~~ UJ	3.9	0.48	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1
Xylenes, Total	7.9	U	7.9	0.66	ug/Kg	☼	11/08/23 10:30	11/08/23 22:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*11/08/23 10:30*	*11/08/23 22:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*71 - 125*	*11/08/23 10:30*	*11/08/23 22:18*	*1*

Client Sample ID: DUP-02
Date Collected: 11/06/23 12:00
Date Received: 11/08/23 09:00

Lab Sample ID: 480-214614-2
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*11/08/23 10:30*	*11/08/23 22:18*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*11/08/23 10:30*	*11/08/23 22:18*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*11/08/23 10:30*	*11/08/23 22:18*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	71	U	71	11	ug/Kg	☼	11/20/23 08:12	11/21/23 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*35 - 105*	*11/20/23 08:12*	*11/21/23 08:19*	*1*
2-Fluorophenol (Surr)	*58*		*32 - 105*	*11/20/23 08:12*	*11/21/23 08:19*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*11/20/23 08:12*	*11/21/23 08:19*	*1*
Nitrobenzene-d5 (Surr)	*68*		*34 - 109*	*11/20/23 08:12*	*11/21/23 08:19*	*1*
Phenol-d5 (Surr)	*67*		*34 - 105*	*11/20/23 08:12*	*11/21/23 08:19*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*11/20/23 08:12*	*11/21/23 08:19*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.88	U	0.88	0.041	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluoropentanoic acid (PFPeA)	0.44	U	0.44	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.024	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.046	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.013	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.082	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.061	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorotetradecanoic acid (PFTeDA)	0.22	U	0.22	0.019	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.015	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluoropentanesulfonic acid (PFPeS)	0.22	U	0.22	0.014	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.022	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.061	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorononanesulfonic acid (PFNS)	0.22	U	0.22	0.031	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.022	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorododecanesulfonic acid (PFDoS)	0.22	U	0.22	0.019	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
4:2 FTS	0.88	U	0.88	0.085	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
6:2 FTS	0.88	U	0.88	0.53	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
8:2 FTS	0.88	U	0.88	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
Perfluorooctanesulfonamide (PFOSA)	0.22	U	0.22	0.013	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
NMeFOSA	0.22	U	0.22	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
NEtFOSA	0.22	U	0.22	0.034	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
NMeFOSAA	0.22	U	0.22	0.027	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
NEtFOSAA	0.22	U	0.22	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
NMeFOSE	2.2	U	2.2	0.11	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
NEtFOSE	2.2	U	2.2	0.12	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1

Client Sample ID: DUP-02
Date Collected: 11/06/23 12:00
Date Received: 11/08/23 09:00

Lab Sample ID: 480-214614-2
Matrix: Solid
Percent Solids: 91.1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	0.88	U	0.88	0.10	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.88	U	0.88	0.089	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
PFMBA	0.44	U	0.44	0.021	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
NFDHA	0.44	U	0.44	0.053	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
PFMPA	0.44	U	0.44	0.10	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
9Cl-PF3ONS	0.88	U	0.88	0.056	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
11Cl-PF3OUdS	0.88	U	0.88	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
PFEESA	0.44	U	0.44	0.044	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
3:3 FTCA	1.1	U	1.1	0.19	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
5:3 FTCA	5.5	U	5.5	0.40	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1
7:3 FTCA	5.5	U	5.5	0.34	ug/Kg	☼	11/22/23 07:52	11/28/23 15:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C5 PFPeA	*92*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C5 PFHxA	*87*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C4 PFHpA	*84*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C8 PFOA	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C9 PFNA	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C6 PFDA	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C7 PFUnA	*86*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C2 PFDoA	*82*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C2 PFTeDA	*88*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C3 PFBS	*91*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C3 PFHxS	*89*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C8 PFOS	*82*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C8 FOSA	*79*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
d3-NMeFOSAA	*84*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
d5-NEtFOSAA	*73*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
M2-4:2 FTS	*79*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
M2-6:2 FTS	*75*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
M2-8:2 FTS	*76*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
13C3 HFPO-DA	*90*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
d7-N-MeFOSE-M	*83*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
d9-N-EtFOSE-M	*81*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
d5-NEtPFOSA	*61*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*
d3-NMePFOSA	*59*		*20 - 150*	*11/22/23 07:52*	*11/28/23 15:07*	*1*

Client Sample ID: QNSB-MW-103 EB
Date Collected: 11/06/23 10:55
Date Received: 11/08/23 09:00

Lab Sample ID: 480-214614-3
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/10/23 06:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/10/23 06:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/10/23 06:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/10/23 06:18	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/10/23 06:18	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/10/23 06:18	1

Client Sample ID: QNSB-MW-103 EB
Lab Sample ID: 480-214614-3

Date Collected: 11/06/23 10:55
Matrix: Water
Date Received: 11/08/23 09:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/10/23 06:18	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/10/23 06:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/10/23 06:18	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/10/23 06:18	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/10/23 06:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/10/23 06:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/10/23 06:18	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/10/23 06:18	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/10/23 06:18	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/10/23 06:18	1
Acetone	10	U	10	3.0	ug/L			11/10/23 06:18	1
Benzene	1.0	U	1.0	0.41	ug/L			11/10/23 06:18	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/10/23 06:18	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/10/23 06:18	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/10/23 06:18	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/10/23 06:18	1
Carbon tetrachloride	1.0	~~U~~ UJ	1.0	0.27	ug/L			11/10/23 06:18	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/10/23 06:18	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/10/23 06:18	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/10/23 06:18	1
Chloroform	**2.1**		1.0	0.34	ug/L			11/10/23 06:18	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/10/23 06:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/10/23 06:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/10/23 06:18	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/10/23 06:18	1
Dichlorodifluoromethane	1.0	~~U~~ UJ	1.0	0.68	ug/L			11/10/23 06:18	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/10/23 06:18	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/10/23 06:18	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/10/23 06:18	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/10/23 06:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/10/23 06:18	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/10/23 06:18	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/10/23 06:18	1
Styrene	1.0	U	1.0	0.73	ug/L			11/10/23 06:18	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/10/23 06:18	1
Toluene	1.0	U	1.0	0.51	ug/L			11/10/23 06:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/10/23 06:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/10/23 06:18	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/10/23 06:18	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/10/23 06:18	1
Vinyl chloride	1.0	~~U~~ UJ	1.0	0.90	ug/L			11/10/23 06:18	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/10/23 06:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/10/23 06:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/10/23 06:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/10/23 06:18*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/10/23 06:18*	*1*

Client Sample ID: QNSB-MW-103 EB
Lab Sample ID: 480-214614-3

Date Collected: 11/06/23 10:55
Matrix: Water
Date Received: 11/08/23 09:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/10/23 06:18*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		11/09/23 16:31	11/10/23 17:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*15 - 110*	*11/09/23 16:31*	*11/10/23 17:33*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.5	U	7.5	1.9	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluoropentanoic acid (PFPeA)	3.8	U	3.8	0.94	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorohexanoic acid (PFHxA)	**0.54**	**J**	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.49	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.60	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.28	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.54	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.38	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.38	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.85	ng/L		11/17/23 08:53	11/20/23 20:51	1
4:2 FTS	7.5	U	7.5	1.6	ng/L		11/17/23 08:53	11/20/23 20:51	1
6:2 FTS	7.5	U	7.5	2.4	ng/L		11/17/23 08:53	11/20/23 20:51	1
8:2 FTS	7.5	U	7.5	2.4	ng/L		11/17/23 08:53	11/20/23 20:51	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
NMeFOSA	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
NEtFOSA	1.9	U	1.9	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
NMeFOSAA	3.8	U	3.8	1.1	ng/L		11/17/23 08:53	11/20/23 20:51	1
NEtFOSAA	1.9	U	1.9	0.66	ng/L		11/17/23 08:53	11/20/23 20:51	1
NMeFOSE	19	U	19	4.7	ng/L		11/17/23 08:53	11/20/23 20:51	1
NEtFOSE	19	U	19	4.7	ng/L		11/17/23 08:53	11/20/23 20:51	1
HFPO-DA (GenX)	7.5	U	7.5	1.9	ng/L		11/17/23 08:53	11/20/23 20:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.5	U	7.5	1.4	ng/L		11/17/23 08:53	11/20/23 20:51	1
PFMBA	3.8	U	3.8	0.94	ng/L		11/17/23 08:53	11/20/23 20:51	1
NFDHA	3.8	U	3.8	0.94	ng/L		11/17/23 08:53	11/20/23 20:51	1
PFMPA	3.8	U	3.8	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
9Cl-PF3ONS	7.5	U	7.5	0.94	ng/L		11/17/23 08:53	11/20/23 20:51	1
11Cl-PF3OUdS	7.5	U	7.5	1.9	ng/L		11/17/23 08:53	11/20/23 20:51	1

Client Sample ID: QNSB-MW-103 EB
Lab Sample ID: 480-214614-3

Date Collected: 11/06/23 10:55
Matrix: Water
Date Received: 11/08/23 09:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFEESA	3.8	U	3.8	0.47	ng/L		11/17/23 08:53	11/20/23 20:51	1
3:3 FTCA	9.4	U	9.4	1.4	ng/L		11/17/23 08:53	11/20/23 20:51	1
5:3 FTCA	47	U	47	9.4	ng/L		11/17/23 08:53	11/20/23 20:51	1
7:3 FTCA	47	U	47	9.4	ng/L		11/17/23 08:53	11/20/23 20:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C5 PFPeA	*95*		*35 - 150*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C5 PFHxA	*91*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C4 PFHpA	*91*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C8 PFOA	*86*		*60 - 140*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C9 PFNA	*86*		*55 - 140*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C6 PFDA	*84*		*50 - 140*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C7 PFUnA	*84*		*30 - 140*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C2 PFDoA	*74*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C2 PFTeDA	*37*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C3 PFBS	*83*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C3 PFHxS	*88*		*55 - 150*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C8 PFOS	*82*		*45 - 140*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C8 FOSA	*71*		*30 - 130*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
d3-NMeFOSAA	*82*		*45 - 200*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
d5-NEtFOSAA	*73*		*10 - 200*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
M2-4:2 FTS	*73*		*60 - 200*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
M2-6:2 FTS	*80*		*60 - 200*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
M2-8:2 FTS	*74*		*50 - 200*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
13C3 HFPO-DA	*86*		*25 - 160*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
d7-N-MeFOSE-M	*61*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
d9-N-EtFOSE-M	*61*		*10 - 150*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
d5-NEtPFOSA	*54*		*10 - 130*	*11/17/23 08:53*	*11/20/23 20:51*	*1*
d3-NMePFOSA	*62*		*15 - 130*	*11/17/23 08:53*	*11/20/23 20:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	4.0	U	4.0	4.0	mg/L			11/14/23 13:35	1

Client Sample ID: QNSB-MW-102 (115-116)
Lab Sample ID: 480-214692-1

Date Collected: 11/08/23 10:40
Matrix: Solid
Date Received: 11/09/23 10:30
Percent Solids: 83.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	0.99	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,1-Dichloroethane	4.4	U	4.4	0.53	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,1-Dichloroethene	4.4	U	4.4	0.53	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.27	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1

Client Sample ID: QNSB-MW-102 (115-116)
Date Collected: 11/08/23 10:40
Date Received: 11/09/23 10:30

Lab Sample ID: 480-214692-1
Matrix: Solid
Percent Solids: 83.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,3-Dichlorobenzene	4.4	U	4.4	0.22	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,4-Dichlorobenzene	4.4	U	4.4	0.61	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
2-Butanone (MEK)	**6.6**	**J**	22	1.6	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Acetone	**36**		22	3.7	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Benzene	4.4	U	4.4	0.21	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Bromodichloromethane	4.4	U	4.4	0.58	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Bromomethane	4.4	~~U~~ UJ	4.4	0.39	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Carbon tetrachloride	4.4	U	4.4	0.42	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Chloroethane	4.4	U	4.4	0.99	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Chloromethane	4.4	U	4.4	0.26	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Cyclohexane	4.4	U	4.4	0.61	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Isopropylbenzene	4.4	~~U~~ UJ	4.4	0.66	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Methyl acetate	**2.7**	**J**	22	2.6	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Methylcyclohexane	4.4	U	4.4	0.66	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Tetrachloroethene	4.4	U	4.4	0.59	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Trichloroethene	4.4	U	4.4	0.96	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Trichlorofluoromethane	4.4	U	4.4	0.41	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Vinyl chloride	4.4	U	4.4	0.53	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	11/09/23 16:00	11/13/23 12:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane, 2-butyl-1,1,3-trimethyl-	*4.4*	*T J N*	*ug/Kg*	☼	*12.45*	*54676-39-0*	*11/09/23 16:00*	*11/13/23 12:33*	*1*
Unknown	*4.5*	*T J*	*ug/Kg*	☼	*14.00*	*N/A*	*11/09/23 16:00*	*11/13/23 12:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*71 - 125*	*11/09/23 16:00*	*11/13/23 12:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 126*	*11/09/23 16:00*	*11/13/23 12:33*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*	*11/09/23 16:00*	*11/13/23 12:33*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*11/09/23 16:00*	*11/13/23 12:33*	*1*

Client Sample ID: QNSB-MW-102 (115-116)
Date Collected: 11/08/23 10:40
Date Received: 11/09/23 10:30

Lab Sample ID: 480-214692-1
Matrix: Solid
Percent Solids: 83.6

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	80	U	80	12	ug/Kg	☼	11/16/23 08:40	11/16/23 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*35 - 105*	*11/16/23 08:40*	*11/16/23 18:10*	*1*
2-Fluorophenol (Surr)	*67*		*32 - 105*	*11/16/23 08:40*	*11/16/23 18:10*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 119*	*11/16/23 08:40*	*11/16/23 18:10*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*11/16/23 08:40*	*11/16/23 18:10*	*1*
Phenol-d5 (Surr)	*74*		*34 - 105*	*11/16/23 08:40*	*11/16/23 18:10*	*1*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*11/16/23 08:40*	*11/16/23 18:10*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.96	U	0.96	0.044	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluoropentanoic acid (PFPeA)	0.48	U	0.48	0.025	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.025	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.026	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.050	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.014	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.090	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.033	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.067	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.033	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorotetradecanoic acid (PFTeDA)	0.24	U	0.24	0.020	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.017	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluoropentanesulfonic acid (PFPeS)	0.24	U	0.24	0.016	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.024	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.033	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.067	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorononanesulfonic acid (PFNS)	0.24	U	0.24	0.033	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.024	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorododecanesulfonic acid (PFDoS)	0.24	U	0.24	0.020	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
4:2 FTS	0.96	U	0.96	0.092	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
6:2 FTS	0.96	U	0.96	0.58	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
8:2 FTS	0.96	U	0.96	0.14	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
Perfluorooctanesulfonamide (PFOSA)	0.24	U	0.24	0.014	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
NMeFOSA	0.24	U	0.24	0.029	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
NEtFOSA	0.24	U	0.24	0.037	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
NMeFOSAA	0.24	U	0.24	0.030	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
NEtFOSAA	0.24	U	0.24	0.029	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
NMeFOSE	2.4	U	2.4	0.12	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
NEtFOSE	2.4	U	2.4	0.13	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
HFPO-DA (GenX)	0.96	U	0.96	0.11	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.96	U	0.96	0.097	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
PFMBA	0.48	U	0.48	0.023	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
NFDHA	0.48	U	0.48	0.057	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
PFMPA	0.48	U	0.48	0.11	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1
9Cl-PF3ONS	0.96	U	0.96	0.061	ug/Kg	☼	11/22/23 07:52	11/28/23 15:27	1

Client Sample ID: QNSB-MW-102 EB
Lab Sample ID: 480-214912-1

Date Collected: 11/13/23 08:30
Matrix: Water

Date Received: 11/15/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/27/23 13:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/27/23 13:53	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/27/23 13:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/27/23 13:53	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/27/23 13:53	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/27/23 13:53	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/27/23 13:53	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/27/23 13:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/27/23 13:53	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/27/23 13:53	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/27/23 13:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/27/23 13:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/27/23 13:53	1
2-Butanone (MEK)	10	U *+	10	1.3	ug/L			11/27/23 13:53	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/27/23 13:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/27/23 13:53	1
Acetone	10	U	10	3.0	ug/L			11/27/23 13:53	1
Benzene	1.0	U	1.0	0.41	ug/L			11/27/23 13:53	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/27/23 13:53	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/27/23 13:53	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/27/23 13:53	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/27/23 13:53	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/27/23 13:53	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/27/23 13:53	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/27/23 13:53	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/27/23 13:53	1
Chloroform	**2.0**		1.0	0.34	ug/L			11/27/23 13:53	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/27/23 13:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/27/23 13:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/27/23 13:53	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/27/23 13:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/27/23 13:53	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/27/23 13:53	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/27/23 13:53	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/27/23 13:53	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/27/23 13:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/27/23 13:53	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/27/23 13:53	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/27/23 13:53	1
Styrene	1.0	U	1.0	0.73	ug/L			11/27/23 13:53	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/27/23 13:53	1
Toluene	1.0	U	1.0	0.51	ug/L			11/27/23 13:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/27/23 13:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/27/23 13:53	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/27/23 13:53	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/27/23 13:53	1
Vinyl chloride	1.0	~~U~~ UJ	1.0	0.90	ug/L			11/27/23 13:53	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/27/23 13:53	1

Client Sample ID: QNSB-MW-102 EB
Lab Sample ID: 480-214912-1

Date Collected: 11/13/23 08:30
Matrix: Water
Date Received: 11/15/23 10:30

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		11/27/23 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		11/27/23 13:53	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		11/27/23 13:53	1
4-Bromofluorobenzene (Surr)	102		73 - 120		11/27/23 13:53	1
Dibromofluoromethane (Surr)	105		75 - 123		11/27/23 13:53	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		11/17/23 07:09	11/21/23 01:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	39		15 - 110	11/17/23 07:09	11/21/23 01:02	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.8	U	7.8	1.9	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluoropentanoic acid (PFPeA)	3.9	U	3.9	0.97	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorohexanoic acid (PFHxA)	**0.53**	**J**	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.50	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.62	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.29	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.55	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.39	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.39	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.87	ng/L		12/05/23 10:50	12/07/23 18:49	1
4:2 FTS	7.8	U	7.8	1.7	ng/L		12/05/23 10:50	12/07/23 18:49	1
6:2 FTS	7.8	U	7.8	2.4	ng/L		12/05/23 10:50	12/07/23 18:49	1
8:2 FTS	7.8	U	7.8	2.5	ng/L		12/05/23 10:50	12/07/23 18:49	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
NMeFOSA	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
NEtFOSA	1.9	U	1.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
NMeFOSAA	3.9	U	3.9	1.2	ng/L		12/05/23 10:50	12/07/23 18:49	1
NEtFOSAA	1.9	U	1.9	0.68	ng/L		12/05/23 10:50	12/07/23 18:49	1
NMeFOSE	19	U	19	4.9	ng/L		12/05/23 10:50	12/07/23 18:49	1
NEtFOSE	19	U	19	4.9	ng/L		12/05/23 10:50	12/07/23 18:49	1
HFPO-DA (GenX)	7.8	U	7.8	1.9	ng/L		12/05/23 10:50	12/07/23 18:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.8	U	7.8	1.5	ng/L		12/05/23 10:50	12/07/23 18:49	1

Client Sample ID: QNSB-MW-102 EB
Lab Sample ID: 480-214912-1

Date Collected: 11/13/23 08:30
Matrix: Water
Date Received: 11/15/23 10:30

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFMBA	3.9	U	3.9	0.97	ng/L		12/05/23 10:50	12/07/23 18:49	1
NFDHA	3.9	U	3.9	0.97	ng/L		12/05/23 10:50	12/07/23 18:49	1
PFMPA	3.9	U	3.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
9Cl-PF3ONS	7.8	U	7.8	0.97	ng/L		12/05/23 10:50	12/07/23 18:49	1
11Cl-PF3OUdS	7.8	U	7.8	1.9	ng/L		12/05/23 10:50	12/07/23 18:49	1
PFEESA	3.9	U	3.9	0.49	ng/L		12/05/23 10:50	12/07/23 18:49	1
3:3 FTCA	9.7	U	9.7	1.5	ng/L		12/05/23 10:50	12/07/23 18:49	1
5:3 FTCA	49	U	49	9.7	ng/L		12/05/23 10:50	12/07/23 18:49	1
7:3 FTCA	49	U	49	9.7	ng/L		12/05/23 10:50	12/07/23 18:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*10 - 130*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C5 PFPeA	*93*		*40 - 150*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C5 PFHxA	*99*		*40 - 150*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C4 PFHpA	*96*		*40 - 150*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C8 PFOA	*92*		*30 - 140*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C9 PFNA	*95*		*30 - 140*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C6 PFDA	*97*		*20 - 140*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C7 PFUnA	*95*		*20 - 140*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C2 PFDoA	*98*		*10 - 150*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C2 PFTeDA	*76*		*10 - 130*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C3 PFBS	*94*		*25 - 150*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C3 PFHxS	*101*		*25 - 150*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C8 PFOS	*92*		*20 - 140*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C8 FOSA	*90*		*10 - 130*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
d3-NMeFOSAA	*98*		*10 - 200*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
d5-NEtFOSAA	*88*		*10 - 200*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
M2-4:2 FTS	*96*		*25 - 200*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
M2-6:2 FTS	*91*		*25 - 200*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
M2-8:2 FTS	*95*		*25 - 200*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
13C3 HFPO-DA	*94*		*25 - 160*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
d9-N-EtFOSE-M	*84*		*10 - 150*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
d5-NEtPFOSA	*69*		*10 - 130*	*12/05/23 10:50*	*12/07/23 18:49*	*1*
d3-NMePFOSA	*64*		*10 - 130*	*12/05/23 10:50*	*12/07/23 18:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	**50.0**		4.0	4.0	mg/L			11/29/23 11:46	1

Client Sample ID: QNSB-MW-101
Lab Sample ID: 480-214912-2

Date Collected: 11/13/23 16:30
Matrix: Solid
Date Received: 11/15/23 10:30
Percent Solids: 75.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.2	U	5.2	0.38	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,1,2,2-Tetrachloroethane	5.2	U	5.2	0.85	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,1,2-Trichloroethane	5.2	U	5.2	0.68	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.2	1.2	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1

Client Sample ID: QNSB-MW-101
Lab Sample ID: 480-214912-2

Date Collected: 11/13/23 16:30
Matrix: Solid

Date Received: 11/15/23 10:30
Percent Solids: 75.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	5.2	U	5.2	0.64	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,1-Dichloroethene	5.2	U	5.2	0.64	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,2,4-Trichlorobenzene	5.2	U	5.2	0.32	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,2-Dibromo-3-Chloropropane	5.2	U	5.2	2.6	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,2-Dichlorobenzene	5.2	U	5.2	0.41	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,2-Dichloroethane	0.39 ~~J~~	J	5.2	0.26	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,2-Dichloropropane	5.2	U	5.2	2.6	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,3-Dichlorobenzene	5.2	U	5.2	0.27	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,4-Dichlorobenzene	5.2	U	5.2	0.73	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
2-Butanone (MEK)	3.7 ~~J~~	J	26	1.9	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
2-Hexanone	26	U	26	2.6	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Acetone	20 ~~J~~	J	26	4.4	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Benzene	5.2	U	5.2	0.26	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Bromodichloromethane	5.2	U	5.2	0.70	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Bromoform	5.2	U	5.2	2.6	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Bromomethane	5.2	U	5.2	0.47	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Carbon disulfide	5.2	U	5.2	2.6	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Carbon tetrachloride	5.2	U	5.2	0.51	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Chlorobenzene	5.2	U	5.2	0.69	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Dibromochloromethane	5.2	U	5.2	0.67	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Chloroethane	5.2	U	5.2	1.2	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Chloroform	ND ~~1.8 J~~	5.2 U	5.2	0.32	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Chloromethane	5.2	U	5.2	0.32	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
cis-1,2-Dichloroethene	1.8	J	5.2	0.67	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
cis-1,3-Dichloropropene	5.2	U	5.2	0.75	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Cyclohexane	5.2	U	5.2	0.73	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Dichlorodifluoromethane	5.2	U	5.2	0.43	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Ethylbenzene	5.2	U	5.2	0.36	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
1,2-Dibromoethane	5.2	U	5.2	0.67	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Isopropylbenzene	5.2	U ~~+~~	5.2	0.79	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Methyl acetate	26	~~U~~ UJ	26	3.2	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Methyl tert-butyl ether	5.2	~~U~~ UJ	5.2	0.51	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Methylcyclohexane	5.2	U	5.2	0.80	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Methylene Chloride	5.2	U	5.2	2.4	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Styrene	5.2	U	5.2	0.26	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Tetrachloroethene	5.2	U	5.2	0.70	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Toluene	5.2	U	5.2	0.40	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
trans-1,2-Dichloroethene	5.2	U	5.2	0.54	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
trans-1,3-Dichloropropene	5.2	U	5.2	2.3	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Trichloroethene	5.2	U	5.2	1.2	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Trichlorofluoromethane	5.2	U	5.2	0.50	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Vinyl chloride	5.2	U	5.2	0.64	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1
Xylenes, Total	10	U	10	0.88	ug/Kg	☼	11/15/23 16:00	11/17/23 05:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane	*12*	*T J N*	*ug/Kg*	☼	*2.90*	*287-92-3*	*11/15/23 16:00*	*11/17/23 05:22*	*1*
Unknown	*12*	*T J*	*ug/Kg*	☼	*10.87*	*N/A*	*11/15/23 16:00*	*11/17/23 05:22*	*1*

Client Sample ID: QNSB-MW-101
Date Collected: 11/13/23 16:30
Date Received: 11/15/23 10:30

Lab Sample ID: 480-214912-2
Matrix: Solid
Percent Solids: 75.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	11/15/23 16:00	11/17/23 05:22	1
1,2-Dichloroethane-d4 (Surr)	90		64 - 126	11/15/23 16:00	11/17/23 05:22	1
4-Bromofluorobenzene (Surr)	91		72 - 126	11/15/23 16:00	11/17/23 05:22	1
Dibromofluoromethane (Surr)	77		60 - 140	11/15/23 16:00	11/17/23 05:22	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	87	U	87	14	ug/Kg	☼	11/27/23 07:48	11/29/23 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	66		35 - 105	11/27/23 07:48	11/29/23 01:04	1
2-Fluorophenol (Surr)	61		32 - 105	11/27/23 07:48	11/29/23 01:04	1
2,4,6-Tribromophenol (Surr)	55		20 - 119	11/27/23 07:48	11/29/23 01:04	1
Nitrobenzene-d5 (Surr)	68		34 - 109	11/27/23 07:48	11/29/23 01:04	1
Phenol-d5 (Surr)	67		34 - 105	11/27/23 07:48	11/29/23 01:04	1
Terphenyl-d14 (Surr)	65		20 - 117	11/27/23 07:48	11/29/23 01:04	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.1	U	1.1	0.049	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluoropentanoic acid (PFPeA)	0.53	U	0.53	0.028	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorohexanoic acid (PFHxA)	0.26	U	0.26	0.028	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.029	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.055	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.016	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.099	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.037	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.074	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.037	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorotetradecanoic acid (PFTeDA)	0.26	U	0.26	0.022	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.018	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluoropentanesulfonic acid (PFPeS)	0.26	U	0.26	0.017	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.026	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.037	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.074	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorononanesulfonic acid (PFNS)	0.26	U	0.26	0.037	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.026	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorododecanesulfonic acid (PFDoS)	0.26	U	0.26	0.022	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
4:2 FTS	1.1	U	1.1	0.10	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
6:2 FTS	1.1	U	1.1	0.64	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
8:2 FTS	1.1	U	1.1	0.15	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
Perfluorooctanesulfonamide (PFOSA)	0.26	U	0.26	0.016	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
NMeFOSA	0.26	U	0.26	0.032	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
NEtFOSA	0.26	U	0.26	0.041	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
NMeFOSAA	0.26	U	0.26	0.033	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
NEtFOSAA	0.26	U	0.26	0.032	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
NMeFOSE	2.6	U	2.6	0.13	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
NEtFOSE	2.6	U	2.6	0.15	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1

Client Sample ID: QNSB-MW-101
Lab Sample ID: 480-214912-2

Date Collected: 11/13/23 16:30
Matrix: Solid
Date Received: 11/15/23 10:30
Percent Solids: 75.8

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	1.1	U	1.1	0.12	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.1	U	1.1	0.11	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
PFMBA	0.53	U	0.53	0.025	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
NFDHA	0.53	U	0.53	0.063	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
PFMPA	0.53	U	0.53	0.12	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
9Cl-PF3ONS	1.1	U	1.1	0.067	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
11Cl-PF3OUdS	1.1	U	1.1	0.16	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
PFEESA	0.53	U	0.53	0.053	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
3:3 FTCA	1.3	U	1.3	0.23	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
5:3 FTCA	6.6	U	6.6	0.48	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1
7:3 FTCA	6.6	U	6.6	0.40	ug/Kg	☼	12/15/23 09:30	12/19/23 18:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C5 PFPeA	*100*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C5 PFHxA	*100*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C4 PFHpA	*96*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C8 PFOA	*94*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C9 PFNA	*96*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C6 PFDA	*90*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C7 PFUnA	*81*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C2 PFDoA	*75*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C2 PFTeDA	*58*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C3 PFBS	*85*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C3 PFHxS	*96*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C8 PFOS	*82*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C8 FOSA	*75*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
d3-NMeFOSAA	*108*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
d5-NEtFOSAA	*93*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
M2-4:2 FTS	*117*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
M2-6:2 FTS	*124*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
M2-8:2 FTS	*108*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
13C3 HFPO-DA	*90*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
d7-N-MeFOSE-M	*63*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
d9-N-EtFOSE-M	*57*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
d5-NEtPFOSA	*52*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*
d3-NMePFOSA	*57*		*20 - 150*	*12/15/23 09:30*	*12/19/23 18:33*	*1*

Client Sample ID: QNSB-MW-101 EB
Lab Sample ID: 480-214912-3

Date Collected: 11/14/23 09:00
Matrix: Water
Date Received: 11/15/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/27/23 14:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/27/23 14:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/27/23 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/27/23 14:17	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/27/23 14:17	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/27/23 14:17	1

Client Sample ID: QNSB-MW-101 EB
Lab Sample ID: 480-214912-3

Date Collected: 11/14/23 09:00
Matrix: Water

Date Received: 11/15/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/27/23 14:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/27/23 14:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/27/23 14:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/27/23 14:17	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/27/23 14:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/27/23 14:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/27/23 14:17	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/27/23 14:17	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/27/23 14:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/27/23 14:17	1
Acetone	10	U	10	3.0	ug/L			11/27/23 14:17	1
Benzene	1.0	U	1.0	0.41	ug/L			11/27/23 14:17	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/27/23 14:17	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/27/23 14:17	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/27/23 14:17	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/27/23 14:17	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/27/23 14:17	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/27/23 14:17	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/27/23 14:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/27/23 14:17	1
Chloroform	**1.7**		1.0	0.34	ug/L			11/27/23 14:17	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/27/23 14:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/27/23 14:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/27/23 14:17	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/27/23 14:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/27/23 14:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/27/23 14:17	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/27/23 14:17	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/27/23 14:17	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/27/23 14:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/27/23 14:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/27/23 14:17	1
Methylene Chloride	**1.6**		1.0	0.44	ug/L			11/27/23 14:17	1
Styrene	1.0	U	1.0	0.73	ug/L			11/27/23 14:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/27/23 14:17	1
Toluene	1.0	U	1.0	0.51	ug/L			11/27/23 14:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/27/23 14:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/27/23 14:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/27/23 14:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/27/23 14:17	1
Vinyl chloride	1.0	U UJ	1.0	0.90	ug/L			11/27/23 14:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/27/23 14:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/27/23 14:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/27/23 14:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/27/23 14:17*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/27/23 14:17*	*1*

Client Sample ID: QNSB-MW-101 EB
Lab Sample ID: 480-214912-3

Date Collected: 11/14/23 09:00
Matrix: Water
Date Received: 11/15/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*11/27/23 14:17*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.23	U	0.23	0.11	ug/L		11/17/23 07:09	11/21/23 01:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*45*		*15 - 110*	*11/17/23 07:09*	*11/21/23 01:24*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.4	U	7.4	1.9	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluoropentanoic acid (PFPeA)	3.7	U	3.7	0.93	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorohexanoic acid (PFHxA)	**0.59**	**J**	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluoroheptanoic acid (PFHpA)	1.9	U	1.9	0.48	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorooctanoic acid (PFOA)	1.9	U	1.9	0.59	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorononanoic acid (PFNA)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.28	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.53	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.37	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorooctanesulfonic acid (PFOS)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.37	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.84	ng/L		12/05/23 10:50	12/07/23 19:09	1
4:2 FTS	7.4	U	7.4	1.6	ng/L		12/05/23 10:50	12/07/23 19:09	1
6:2 FTS	7.4	U	7.4	2.3	ng/L		12/05/23 10:50	12/07/23 19:09	1
8:2 FTS	7.4	U	7.4	2.4	ng/L		12/05/23 10:50	12/07/23 19:09	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
NMeFOSA	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
NEtFOSA	1.9	U	1.9	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
NMeFOSAA	3.7	U	3.7	1.1	ng/L		12/05/23 10:50	12/07/23 19:09	1
NEtFOSAA	1.9	U	1.9	0.65	ng/L		12/05/23 10:50	12/07/23 19:09	1
NMeFOSE	19	U	19	4.6	ng/L		12/05/23 10:50	12/07/23 19:09	1
NEtFOSE	19	U	19	4.6	ng/L		12/05/23 10:50	12/07/23 19:09	1
HFPO-DA (GenX)	7.4	U	7.4	1.9	ng/L		12/05/23 10:50	12/07/23 19:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.4	U	7.4	1.4	ng/L		12/05/23 10:50	12/07/23 19:09	1
PFMBA	3.7	U	3.7	0.93	ng/L		12/05/23 10:50	12/07/23 19:09	1
NFDHA	3.7	U	3.7	0.93	ng/L		12/05/23 10:50	12/07/23 19:09	1
PFMPA	3.7	U	3.7	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
9Cl-PF3ONS	7.4	U	7.4	0.93	ng/L		12/05/23 10:50	12/07/23 19:09	1
11Cl-PF3OUdS	7.4	U	7.4	1.9	ng/L		12/05/23 10:50	12/07/23 19:09	1

Client Sample ID: QNSB-MW-101 EB
Lab Sample ID: 480-214912-3

Date Collected: 11/14/23 09:00
Matrix: Water
Date Received: 11/15/23 10:30

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFEESA	3.7	U	3.7	0.46	ng/L		12/05/23 10:50	12/07/23 19:09	1
3:3 FTCA	9.3	U	9.3	1.4	ng/L		12/05/23 10:50	12/07/23 19:09	1
5:3 FTCA	46	U	46	9.3	ng/L		12/05/23 10:50	12/07/23 19:09	1
7:3 FTCA	46	U	46	9.3	ng/L		12/05/23 10:50	12/07/23 19:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*10 - 130*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C5 PFPeA	*97*		*40 - 150*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C5 PFHxA	*100*		*40 - 150*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C4 PFHpA	*100*		*40 - 150*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C8 PFOA	*95*		*30 - 140*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C9 PFNA	*101*		*30 - 140*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C6 PFDA	*104*		*20 - 140*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C7 PFUnA	*106*		*20 - 140*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C2 PFDoA	*107*		*10 - 150*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C2 PFTeDA	*77*		*10 - 130*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C3 PFBS	*97*		*25 - 150*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C3 PFHxS	*98*		*25 - 150*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C8 PFOS	*91*		*20 - 140*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C8 FOSA	*98*		*10 - 130*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
d3-NMeFOSAA	*108*		*10 - 200*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
d5-NEtFOSAA	*84*		*10 - 200*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
M2-4:2 FTS	*96*		*25 - 200*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
M2-6:2 FTS	*102*		*25 - 200*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
M2-8:2 FTS	*101*		*25 - 200*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
13C3 HFPO-DA	*98*		*25 - 160*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
d7-N-MeFOSE-M	*97*		*10 - 150*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
d9-N-EtFOSE-M	*89*		*10 - 150*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
d5-NEtPFOSA	*75*		*10 - 130*	*12/05/23 10:50*	*12/07/23 19:09*	*1*
d3-NMePFOSA	*68*		*10 - 130*	*12/05/23 10:50*	*12/07/23 19:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	**60.0**		4.0	4.0	mg/L			11/29/23 11:46	1

Client Sample ID: TRIP BLANK (11/14/2023)
Lab Sample ID: 480-214912-4

Date Collected: 11/14/23 00:00
Matrix: Water
Date Received: 11/15/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/27/23 14:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/27/23 14:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/27/23 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/27/23 14:42	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/27/23 14:42	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/27/23 14:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/27/23 14:42	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/27/23 14:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/27/23 14:42	1

Client Sample ID: TRIP BLANK (11/14/2023)
Lab Sample ID: 480-214912-4
Date Collected: 11/14/23 00:00
Matrix: Water
Date Received: 11/15/23 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/27/23 14:42	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/27/23 14:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/27/23 14:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/27/23 14:42	1
2-Butanone (MEK)	10	U*+	10	1.3	ug/L			11/27/23 14:42	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/27/23 14:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/27/23 14:42	1
Acetone	10	U	10	3.0	ug/L			11/27/23 14:42	1
Benzene	1.0	U	1.0	0.41	ug/L			11/27/23 14:42	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/27/23 14:42	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/27/23 14:42	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/27/23 14:42	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/27/23 14:42	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/27/23 14:42	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/27/23 14:42	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/27/23 14:42	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/27/23 14:42	1
Chloroform	**0.46**	**J**	1.0	0.34	ug/L			11/27/23 14:42	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/27/23 14:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/27/23 14:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/27/23 14:42	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/27/23 14:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/27/23 14:42	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/27/23 14:42	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/27/23 14:42	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/27/23 14:42	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/27/23 14:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/27/23 14:42	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/27/23 14:42	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/27/23 14:42	1
Styrene	1.0	U	1.0	0.73	ug/L			11/27/23 14:42	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/27/23 14:42	1
Toluene	1.0	U	1.0	0.51	ug/L			11/27/23 14:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/27/23 14:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/27/23 14:42	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/27/23 14:42	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/27/23 14:42	1
Vinyl chloride	1.0	U UJ	1.0	0.90	ug/L			11/27/23 14:42	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/27/23 14:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/27/23 14:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/27/23 14:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/27/23 14:42*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/27/23 14:42*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*11/27/23 14:42*	*1*

QC NONCONFORMANCE DOCUMENTATION

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-688787/4 Calibration Date: 10/24/2023 11:18

Instrument ID: HP5973S Calib Start Date: 08/31/2023 15:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/31/2023 18:25

Lab File ID: S2902.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.604	1.302	0.1000	20.3	25.0	-18.8	50.0
Chloromethane	Ave	1.537	1.383	0.1000	22.5	25.0	-10.0	20.0
Vinyl chloride	Ave	1.520	1.442	0.1000	23.7	25.0	-5.1	20.0
Butadiene	Ave	1.696	1.639		24.1	25.0	-3.4	20.0
Bromomethane	Ave	0.9721	0.9345	0.1000	24.0	25.0	-3.9	50.0
Chloroethane	Ave	1.052	0.996	0.1000	23.7	25.0	-5.4	50.0
Dichlorofluoromethane	Ave	2.148	2.510		29.2	25.0	16.8	20.0
Trichlorofluoromethane	Ave	1.903	1.884	0.1000	24.8	25.0	-1.0	20.0
Ethyl ether	Ave	1.291	1.111		21.5	25.0	-13.9	20.0
Acrolein	Ave	0.1601	0.0907		70.8	125	-43.3	50.0
1,1-Dichloroethene	Ave	1.013	0.9532	0.1000	23.5	25.0	-5.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.076	1.036	0.1000	24.1	25.0	-3.7	20.0
Acetone	Ave	0.4983	0.4970	0.1000	125	125	-0.3	50.0
Iodomethane	Ave	1.769	1.577		22.3	25.0	-10.8	20.0
Carbon disulfide	Ave	3.557	3.403	0.1000	23.9	25.0	-4.3	20.0
Allyl chloride	Ave	2.594	2.133		20.6	25.0	-17.8	20.0
Methyl acetate	Ave	1.481	1.033	0.1000	34.9	50.0	-30.3	50.0
Methylene Chloride	Lin1		1.187	0.1000	22.7	25.0	-9.2	20.0
2-Methyl-2-propanol	Ave	0.1481	0.1203		203	250	-18.7	50.0
Methyl tert-butyl ether	Ave	4.320	3.663	0.1000	21.2	25.0	-15.2	20.0
trans-1,2-Dichloroethene	Ave	1.246	1.158	0.1000	23.2	25.0	-7.1	20.0
Acrylonitrile	Ave	0.6716	0.5154		192	250	-23.3*	20.0
Hexane	Ave	2.059	1.888		22.9	25.0	-8.3	20.0
1,1-Dichloroethane	Ave	2.294	2.106	0.2000	22.9	25.0	-8.2	20.0
Vinyl acetate	Ave	3.384	2.363		34.9	50.0	-30.2*	20.0
2,2-Dichloropropane	Ave	1.608	1.534		23.8	25.0	-4.6	20.0
cis-1,2-Dichloroethene	Ave	1.321	1.244	0.1000	23.5	25.0	-5.8	20.0
2-Butanone (MEK)	Ave	0.8169	0.6377	0.1000	97.6	125	-21.9*	20.0
Chlorobromomethane	Ave	0.6235	0.5860		23.5	25.0	-6.0	20.0
Tetrahydrofuran	Ave	0.5630	0.4039		35.9	50.0	-28.3*	20.0
Chloroform	Ave	2.233	2.060	0.2000	23.1	25.0	-7.7	20.0
1,1,1-Trichloroethane	Ave	1.825	1.757	0.1000	24.1	25.0	-3.8	20.0
Cyclohexane	Ave	2.358	2.241	0.1000	23.8	25.0	-5.0	20.0
Carbon tetrachloride	Ave	1.474	1.312	0.1000	22.2	25.0	-11.0	20.0
1,1-Dichloropropene	Ave	1.683	1.632		24.2	25.0	-3.1	20.0
Benzene	Ave	5.058	4.577	0.5000	22.6	25.0	-9.5	20.0
Isobutyl alcohol	Ave	0.0587	0.0476		507	625	-18.8	50.0
1,2-Dichloroethane	Ave	1.993	1.705	0.1000	21.4	25.0	-14.5	20.0
n-Heptane	Ave	2.120	1.848		21.8	25.0	-12.8	20.0
Trichloroethene	Ave	1.278	1.171	0.2000	22.9	25.0	-8.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-689629/4 Calibration Date: 10/31/2023 13:33

Instrument ID: HP5977L Calib Start Date: 10/19/2023 15:06

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/19/2023 17:56

Lab File ID: L2107.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.153	1.335	0.1000	28.9	25.0	15.8	50.0
Chloromethane	Ave	1.096	1.152	0.1000	26.3	25.0	5.1	20.0
Vinyl chloride	Ave	1.055	1.153	0.1000	27.3	25.0	9.2	20.0
Butadiene	Ave	1.107	1.218		27.5	25.0	10.0	20.0
Bromomethane	Ave	0.7503	0.8074	0.1000	26.9	25.0	7.6	50.0
Chloroethane	Ave	0.6664	0.6989	0.1000	26.2	25.0	4.9	50.0
Dichlorofluoromethane	Ave	1.818	1.834		25.2	25.0	0.9	20.0
Trichlorofluoromethane	Ave	1.150	1.060	0.1000	23.0	25.0	-7.9	20.0
Ethyl ether	Ave	0.9024	0.9384		26.0	25.0	4.0	20.0
Acrolein	Ave	0.1059	0.1131		134	125	6.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.8849	1.002	0.1000	28.3	25.0	13.2	20.0
1,1-Dichloroethene	Ave	0.8055	0.9210	0.1000	28.6	25.0	14.3	20.0
Acetone	Ave	0.4991	0.6081	0.1000	152	125	21.8	50.0
Iodomethane	Ave	1.533	1.703		27.8	25.0	11.1	20.0
Carbon disulfide	Ave	2.500	3.105	0.1000	31.0	25.0	24.2*	20.0
Allyl chloride	Ave	1.570	1.637		26.1	25.0	4.2	20.0
Methyl acetate	Ave	1.281	1.294	0.1000	50.5	50.0	1.0	50.0
Methylene Chloride	Lin1		1.099	0.1000	26.9	25.0	7.5	20.0
2-Methyl-2-propanol	Ave	0.1852	0.2449		331	250	~~32.2~~	50.0
Methyl tert-butyl ether	Ave	3.216	3.542	0.1000	27.5	25.0	10.1	20.0
trans-1,2-Dichloroethene	Ave	0.9767	1.090	0.1000	27.9	25.0	11.6	20.0
Acrylonitrile	Ave	0.5860	0.6442		275	250	9.9	20.0
Hexane	Ave	1.354	1.505		27.8	25.0	11.1	20.0
1,1-Dichloroethane	Ave	1.654	1.835	0.2000	27.7	25.0	11.0	20.0
Vinyl acetate	Ave	2.589	2.781		53.7	50.0	7.4	20.0
2,2-Dichloropropane	Ave	0.9808	1.262		32.2	25.0	~~28.7*~~	20.0
cis-1,2-Dichloroethene	Ave	1.086	1.203	0.1000	27.7	25.0	10.8	20.0
2-Butanone (MEK)	Ave	0.8868	0.9395	0.1000	132	125	5.9	20.0
Chlorobromomethane	Ave	0.5366	0.6317		29.4	25.0	17.7	20.0
Tetrahydrofuran	Ave	0.6011	0.6108		50.8	50.0	1.6	20.0
Chloroform	Ave	1.747	1.953	0.2000	27.9	25.0	11.8	20.0
1,1,1-Trichloroethane	Ave	1.431	1.719	0.1000	30.0	25.0	20.1*	20.0
Cyclohexane	Ave	1.589	1.768	0.1000	27.8	25.0	11.3	20.0
Carbon tetrachloride	Ave	1.288	1.567	0.1000	30.4	25.0	21.6*	20.0
1,1-Dichloropropene	Ave	1.336	1.502		28.1	25.0	12.4	20.0
Isobutyl alcohol	Ave	0.0913	0.0986		676	625	8.1	50.0
Benzene	Ave	3.689	4.126	0.5000	28.0	25.0	11.8	20.0
1,2-Dichloroethane	Ave	1.515	1.549	0.1000	25.6	25.0	2.2	20.0
n-Heptane	Ave	1.452	1.497		25.8	25.0	3.1	20.0
Trichloroethene	Ave	1.006	1.154	0.2000	28.7	25.0	14.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-688509/9 Calibration Date: 10/22/2023 09:09

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M11905.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.596	0.1000	64.1	50.0	28.2	50.0
Chloromethane	Ave	1.777	2.117	0.1000	59.6	50.0	19.1	20.0
Vinyl chloride	Ave	1.400	1.615	0.1000	57.7	50.0	15.3	20.0
Butadiene	Ave	1.507	1.830		60.7	50.0	~~21.4~~*	20.0
Bromomethane	Ave	0.9298	0.8000	0.1000	43.0	50.0	-14.0	50.0
Chloroethane	Ave	0.8947	0.8241	0.1000	46.1	50.0	-7.9	50.0
Trichlorofluoromethane	Ave	1.479	1.776	0.1000	60.1	50.0	20.1*	20.0
Dichlorofluoromethane	Ave	2.242	2.384		53.2	50.0	6.3	20.0
Ethyl ether	Ave	1.319	1.288		48.8	50.0	-2.4	20.0
Acrolein	Ave	0.1266	0.1218		240	250	-3.9	50.0
1,1-Dichloroethene	Ave	0.9392	0.9870	0.1000	52.5	50.0	5.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.226	0.1000	58.0	50.0	16.0	20.0
Acetone	Ave	0.5469	0.5565	0.1000	254	250	1.8	50.0
Iodomethane	Ave	2.031	1.947		47.9	50.0	-4.1	20.0
Carbon disulfide	Ave	3.330	3.523	0.1000	52.9	50.0	5.8	20.0
Allyl chloride	Ave	2.185	2.348		53.7	50.0	7.5	20.0
Methyl acetate	Ave	1.271	1.305	0.1000	103	100	2.7	50.0
Methylene Chloride	Lin1		1.297	0.1000	48.9	50.0	-2.1	20.0
2-Methyl-2-propanol	Ave	0.2296	0.2384		519	500	3.8	50.0
Methyl tert-butyl ether	Ave	3.993	3.863	0.1000	48.4	50.0	-3.3	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.160	0.1000	51.0	50.0	2.0	20.0
Acrylonitrile	Ave	0.6430	0.6477		504	500	0.7	20.0
Hexane	Ave	1.869	2.028		54.3	50.0	8.5	20.0
1,1-Dichloroethane	Ave	2.243	2.293	0.2000	51.1	50.0	2.2	20.0
Vinyl acetate	Ave	3.099	3.305		107	100	6.7	20.0
2,2-Dichloropropane	Ave	1.367	1.357		49.7	50.0	-0.7	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.339	0.1000	49.4	50.0	-1.2	20.0
2-Butanone (MEK)	Ave	0.7898	0.8217	0.1000	260	250	4.0	20.0
Chlorobromomethane	Ave	0.7377	0.7037		47.7	50.0	-4.6	20.0
Tetrahydrofuran	Ave	0.5387	0.5596		104	100	3.9	20.0
Chloroform	Ave	2.180	2.129	0.2000	48.8	50.0	-2.4	20.0
1,1,1-Trichloroethane	Ave	1.658	1.740	0.1000	52.5	50.0	5.0	20.0
Cyclohexane	Ave	2.168	2.481	0.1000	57.2	50.0	14.4	20.0
Carbon tetrachloride	Ave	1.428	1.541	0.1000	54.0	50.0	7.9	20.0
1,1-Dichloropropene	Ave	1.383	1.514		54.7	50.0	9.5	20.0
Benzene	Ave	4.371	4.436	0.5000	50.7	50.0	1.5	20.0
Isobutyl alcohol	Ave	0.0869	0.0987		1420	1250	13.5	50.0
1,2-Dichloroethane	Ave	1.917	1.866	0.1000	48.7	50.0	-2.6	20.0
n-Heptane	Ave	1.767	2.079		58.8	50.0	17.6	20.0
Trichloroethene	Ave	1.124	1.179	0.2000	52.5	50.0	4.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-688740/4 Calibration Date: 10/23/2023 19:29

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M11926.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.583	0.1000	63.5	50.0	27.1	50.0
Chloromethane	Ave	1.777	2.124	0.1000	59.7	50.0	19.5	20.0
Vinyl chloride	Ave	1.400	1.697	0.1000	60.6	50.0	21.2*	20.0
Butadiene	Ave	1.507	1.957		64.9	50.0	~~29.8~~*	20.0
Bromomethane	Ave	0.9298	0.8710	0.1000	46.8	50.0	-6.3	50.0
Chloroethane	Ave	0.8947	1.032	0.1000	57.7	50.0	15.4	50.0
Dichlorofluoromethane	Ave	2.242	2.503		55.8	50.0	11.6	20.0
Trichlorofluoromethane	Ave	1.479	1.886	0.1000	63.8	50.0	27.6*	20.0
Ethyl ether	Ave	1.319	1.196		45.3	50.0	-9.4	20.0
Acrolein	Ave	0.1266	0.1122		222	250	-11.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.302	0.1000	61.6	50.0	23.2*	20.0
1,1-Dichloroethene	Ave	0.9392	1.051	0.1000	56.0	50.0	11.9	20.0
Acetone	Ave	0.5469	0.4860	0.1000	222	250	-11.1	50.0
Iodomethane	Ave	2.031	1.972		48.6	50.0	-2.9	20.0
Carbon disulfide	Ave	3.330	3.657	0.1000	54.9	50.0	9.8	20.0
Allyl chloride	Ave	2.185	2.394		54.8	50.0	9.6	20.0
Methyl acetate	Ave	1.271	1.165	0.1000	91.6	100	-8.4	50.0
Methylene Chloride	Lin1		1.287	0.1000	48.6	50.0	-2.9	20.0
2-Methyl-2-propanol	Ave	0.2296	0.1978		431	500	-13.9	50.0
Methyl tert-butyl ether	Ave	3.993	3.569	0.1000	44.7	50.0	-10.6	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.204	0.1000	52.9	50.0	5.8	20.0
Acrylonitrile	Ave	0.6430	0.5836		454	500	-9.2	20.0
Hexane	Ave	1.869	2.225		59.5	50.0	19.0	20.0
1,1-Dichloroethane	Ave	2.243	2.341	0.2000	52.2	50.0	4.4	20.0
Vinyl acetate	Ave	3.099	3.203		103	100	3.4	20.0
2,2-Dichloropropane	Ave	1.367	1.440		52.7	50.0	5.4	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.344	0.1000	49.6	50.0	-0.8	20.0
2-Butanone (MEK)	Ave	0.7898	0.7367	0.1000	233	250	-6.7	20.0
Chlorobromomethane	Ave	0.7377	0.6740		45.7	50.0	-8.6	20.0
Tetrahydrofuran	Ave	0.5387	0.4985		92.5	100	-7.5	20.0
Chloroform	Ave	2.180	2.140	0.2000	49.1	50.0	-1.8	20.0
1,1,1-Trichloroethane	Ave	1.658	1.846	0.1000	55.7	50.0	11.4	20.0
Cyclohexane	Ave	2.168	2.719	0.1000	62.7	50.0	25.4*	20.0
Carbon tetrachloride	Ave	1.428	1.627	0.1000	57.0	50.0	13.9	20.0
1,1-Dichloropropene	Ave	1.383	1.626		58.8	50.0	17.5	20.0
Benzene	Ave	4.371	4.585	0.5000	52.4	50.0	4.9	20.0
Isobutyl alcohol	Ave	0.0869	0.0838		1200	1250	-3.6	50.0
1,2-Dichloroethane	Ave	1.917	1.781	0.1000	46.5	50.0	-7.1	20.0
n-Heptane	Ave	1.767	2.370		67.0	50.0	~~34.1~~*	20.0
Trichloroethene	Ave	1.124	1.219	0.2000	54.3	50.0	8.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-688740/4 Calibration Date: 10/23/2023 19:29

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M11926.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.801	2.194	0.1000	60.9	50.0	21.9*	20.0
1,2-Dichloropropane	Ave	1.264	1.302	0.1000	51.5	50.0	3.0	20.0
Dibromomethane	Ave	0.7896	0.7440	0.1000	47.1	50.0	-5.8	20.0
1,4-Dioxane	Ave	0.0071	0.0064		905	1000	-9.5	50.0
Bromodichloromethane	Ave	1.553	1.562	0.2000	50.3	50.0	0.6	20.0
2-Chloroethyl vinyl ether	Ave	0.7992	0.7984		50.0	50.0	-0.1	20.0
cis-1,3-Dichloropropene	Ave	1.823	1.921	0.2000	52.7	50.0	5.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7072	0.6597	0.1000	233	250	-6.7	20.0
Toluene	Ave	1.179	1.210	0.4000	51.3	50.0	2.6	20.0
trans-1,3-Dichloropropene	Ave	0.7162	0.7087	0.1000	49.5	50.0	-1.0	20.0
Ethyl methacrylate	Ave	0.6577	0.6044		45.9	50.0	-8.1	20.0
1,1,2-Trichloroethane	Ave	0.3856	0.3656	0.1000	47.4	50.0	-5.2	20.0
Tetrachloroethene	Ave	0.4851	0.5153	0.2000	53.1	50.0	6.2	20.0
1,3-Dichloropropane	Ave	0.7715	0.7251		47.0	50.0	-6.0	20.0
2-Hexanone	Ave	0.4689	0.4514	0.1000	241	250	-3.7	20.0
Dibromochloromethane	Ave	0.5290	0.4805	0.1000	45.4	50.0	-9.2	20.0
1,2-Dibromoethane	Ave	0.4810	0.4359		45.3	50.0	-9.4	20.0
Chlorobenzene	Ave	1.414	1.373	0.5000	48.6	50.0	-2.9	20.0
Ethylbenzene	Ave	2.224	2.311	0.1000	51.9	50.0	3.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5366	0.5037		46.9	50.0	-6.1	20.0
m,p-Xylene	Ave	0.8856	0.9072	0.1000	51.2	50.0	2.4	20.0
o-Xylene	Ave	0.9555	0.9272	0.3000	48.5	50.0	-3.0	20.0
Styrene	Ave	1.526	1.480	0.3000	48.5	50.0	-3.0	20.0
Bromoform	Ave	0.3516	0.3110	0.1000	44.2	50.0	-11.5	50.0
Isopropylbenzene	Ave	2.042	2.296	0.1000	56.2	50.0	12.4	20.0
Bromobenzene	Ave	0.5860	0.5637		48.1	50.0	-3.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.5952	0.3000	47.0	50.0	-5.9	20.0
N-Propylbenzene	Ave	2.443	2.752		56.3	50.0	12.6	20.0
1,2,3-Trichloropropane	Ave	0.2016	0.1775		44.0	50.0	-12.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2170	0.2270		52.3	50.0	4.6	50.0
2-Chlorotoluene	Ave	0.5425	0.5572		51.4	50.0	2.7	20.0
1,3,5-Trimethylbenzene	Ave	1.861	2.006		53.9	50.0	7.8	20.0
4-Chlorotoluene	Ave	0.5493	0.5616		51.1	50.0	2.2	20.0
tert-Butylbenzene	Ave	0.3855	0.4328		56.1	50.0	12.3	20.0
1,2,4-Trimethylbenzene	Ave	1.996	2.075		52.0	50.0	3.9	20.0
sec-Butylbenzene	Ave	2.244	2.594		57.8	50.0	15.6	20.0
1,3-Dichlorobenzene	Ave	1.160	1.117	0.6000	48.2	50.0	-3.7	20.0
4-Isopropyltoluene	Ave	2.050	2.266		55.3	50.0	10.5	20.0
1,4-Dichlorobenzene	Ave	1.189	1.134	0.5000	47.7	50.0	-4.6	20.0
n-Butylbenzene	Ave	1.824	2.061		56.5	50.0	13.0	20.0
1,2-Dichlorobenzene	Ave	1.180	1.110	0.4000	47.0	50.0	-5.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-689105/4 Calibration Date: 10/25/2023 18:55

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M11940.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.437	0.1000	57.7	50.0	15.4	50.0
Chloromethane	Ave	1.777	2.115	0.1000	59.5	50.0	19.0	20.0
Vinyl chloride	Ave	1.400	1.750	0.1000	62.5	50.0	25.0*	20.0
Butadiene	Ave	1.507	1.970		65.4	50.0	~~30.8~~*	20.0
Bromomethane	Ave	0.9298	0.9932	0.1000	53.4	50.0	6.8	50.0
Chloroethane	Ave	0.8947	1.043	0.1000	58.3	50.0	16.6	50.0
Trichlorofluoromethane	Ave	1.479	1.895	0.1000	64.1	50.0	28.2*	20.0
Dichlorofluoromethane	Ave	2.242	2.532		56.5	50.0	12.9	20.0
Ethyl ether	Ave	1.319	1.224		46.4	50.0	-7.2	20.0
Acrolein	Ave	0.1266	0.0906		179	250	~~-28.5~~	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.324	0.1000	62.6	50.0	25.3*	20.0
1,1-Dichloroethene	Ave	0.9392	1.066	0.1000	56.7	50.0	13.5	20.0
Acetone	Ave	0.5469	0.3949	0.1000	180	250	-27.8	50.0
Iodomethane	Ave	2.031	2.043		50.3	50.0	0.6	20.0
Carbon disulfide	Ave	3.330	3.753	0.1000	56.3	50.0	12.7	20.0
Allyl chloride	Ave	2.185	2.435		55.7	50.0	11.5	20.0
Methyl acetate	Ave	1.271	1.075	0.1000	84.6	100	-15.4	50.0
Methylene Chloride	Lin1		1.329	0.1000	50.2	50.0	0.3	20.0
2-Methyl-2-propanol	Ave	0.2296	0.1484		323	500	~~-35.4~~	50.0
Methyl tert-butyl ether	Ave	3.993	3.609	0.1000	45.2	50.0	-9.6	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.218	0.1000	53.5	50.0	7.1	20.0
Acrylonitrile	Ave	0.6430	0.5457		424	500	-15.1	20.0
Hexane	Ave	1.869	2.296		61.4	50.0	~~22.8~~*	20.0
1,1-Dichloroethane	Ave	2.243	2.381	0.2000	53.1	50.0	6.2	20.0
Vinyl acetate	Ave	3.099	3.151		102	100	1.7	20.0
2,2-Dichloropropane	Ave	1.367	1.432		52.4	50.0	4.8	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.356	0.1000	50.0	50.0	0.0	20.0
2-Butanone (MEK)	Ave	0.7898	0.6772	0.1000	214	250	-14.2	20.0
Chlorobromomethane	Ave	0.7377	0.6724		45.6	50.0	-8.9	20.0
Tetrahydrofuran	Ave	0.5387	0.4581		85.0	100	-15.0	20.0
Chloroform	Ave	2.180	2.156	0.2000	49.5	50.0	-1.1	20.0
1,1,1-Trichloroethane	Ave	1.658	1.871	0.1000	56.4	50.0	12.8	20.0
Cyclohexane	Ave	2.168	2.778	0.1000	64.1	50.0	28.1*	20.0
Carbon tetrachloride	Ave	1.428	1.645	0.1000	57.6	50.0	15.2	20.0
1,1-Dichloropropene	Ave	1.383	1.617		58.5	50.0	16.9	20.0
Benzene	Ave	4.371	4.629	0.5000	53.0	50.0	5.9	20.0
Isobutyl alcohol	Ave	0.0869	0.0635		913	1250	~~-27.0~~	50.0
1,2-Dichloroethane	Ave	1.917	1.768	0.1000	46.1	50.0	-7.8	20.0
n-Heptane	Ave	1.767	2.489		70.4	50.0	~~40.8~~*	20.0
Trichloroethene	Ave	1.124	1.231	0.2000	54.8	50.0	9.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-689105/4 Calibration Date: 10/25/2023 18:55

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M11940.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.801	2.179	0.1000	60.5	50.0	21.0*	20.0
1,2-Dichloropropane	Ave	1.264	1.272	0.1000	50.3	50.0	0.7	20.0
Dibromomethane	Ave	0.7896	0.7233	0.1000	45.8	50.0	-8.4	20.0
1,4-Dioxane	Ave	0.0071	0.0066		924	1000	-7.6	50.0
Bromodichloromethane	Ave	1.553	1.569	0.2000	50.5	50.0	1.0	20.0
2-Chloroethyl vinyl ether	Ave	0.7992	0.7730		48.4	50.0	-3.3	20.0
cis-1,3-Dichloropropene	Ave	1.823	1.955	0.2000	53.6	50.0	7.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7072	0.6898	0.1000	244	250	-2.5	20.0
Toluene	Ave	1.179	1.205	0.4000	51.1	50.0	2.2	20.0
trans-1,3-Dichloropropene	Ave	0.7162	0.7176	0.1000	50.1	50.0	0.2	20.0
Ethyl methacrylate	Ave	0.6577	0.6112		46.5	50.0	-7.1	20.0
1,1,2-Trichloroethane	Ave	0.3856	0.3665	0.1000	47.5	50.0	-5.0	20.0
Tetrachloroethene	Ave	0.4851	0.4958	0.2000	51.1	50.0	2.2	20.0
1,3-Dichloropropane	Ave	0.7715	0.7362		47.7	50.0	-4.6	20.0
2-Hexanone	Ave	0.4689	0.4713	0.1000	251	250	0.5	20.0
Dibromochloromethane	Ave	0.5290	0.5029	0.1000	47.5	50.0	-4.9	20.0
1,2-Dibromoethane	Ave	0.4810	0.4458		46.3	50.0	-7.3	20.0
Chlorobenzene	Ave	1.414	1.355	0.5000	47.9	50.0	-4.1	20.0
Ethylbenzene	Ave	2.224	2.291	0.1000	51.5	50.0	3.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5366	0.5147		48.0	50.0	-4.1	20.0
m,p-Xylene	Ave	0.8856	0.8917	0.1000	50.3	50.0	0.7	20.0
o-Xylene	Ave	0.9555	0.9075	0.3000	47.5	50.0	-5.0	20.0
Styrene	Ave	1.526	1.468	0.3000	48.1	50.0	-3.8	20.0
Bromoform	Ave	0.3516	0.3141	0.1000	44.7	50.0	-10.7	50.0
Isopropylbenzene	Ave	2.042	2.278	0.1000	55.8	50.0	11.5	20.0
Bromobenzene	Ave	0.5860	0.5702		48.7	50.0	-2.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.6177	0.3000	48.8	50.0	-2.4	20.0
N-Propylbenzene	Ave	2.443	2.691		55.1	50.0	10.2	20.0
1,2,3-Trichloropropane	Ave	0.2016	0.1908		47.3	50.0	-5.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2170	0.2240		51.6	50.0	3.2	50.0
2-Chlorotoluene	Ave	0.5425	0.5527		50.9	50.0	1.9	20.0
1,3,5-Trimethylbenzene	Ave	1.861	1.954		52.5	50.0	5.0	20.0
4-Chlorotoluene	Ave	0.5493	0.5640		51.3	50.0	2.7	20.0
tert-Butylbenzene	Ave	0.3855	0.4241		55.0	50.0	10.0	20.0
1,2,4-Trimethylbenzene	Ave	1.996	2.031		50.9	50.0	1.8	20.0
sec-Butylbenzene	Ave	2.244	2.469		55.0	50.0	10.0	20.0
1,3-Dichlorobenzene	Ave	1.160	1.102	0.6000	47.5	50.0	-5.0	20.0
4-Isopropyltoluene	Ave	2.050	2.172		53.0	50.0	5.9	20.0
1,4-Dichlorobenzene	Ave	1.189	1.113	0.5000	46.8	50.0	-6.4	20.0
n-Butylbenzene	Ave	1.824	1.982		54.3	50.0	8.7	20.0
1,2-Dichlorobenzene	Ave	1.180	1.078	0.4000	45.7	50.0	-8.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-689709/4 Calibration Date: 10/31/2023 19:09

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12031.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.458	0.1000	58.5	50.0	17.1	50.0
Chloromethane	Ave	1.777	2.254	0.1000	63.4	50.0	26.8*	20.0
Vinyl chloride	Ave	1.400	1.847	0.1000	65.9	50.0	31.9*	20.0
Butadiene	Ave	1.507	2.155		71.5	50.0	~~43.0~~*	20.0
Bromomethane	Ave	0.9298	0.9320	0.1000	50.1	50.0	0.2	50.0
Chloroethane	Ave	0.8947	1.084	0.1000	60.6	50.0	21.1	50.0
Trichlorofluoromethane	Ave	1.479	1.930	0.1000	65.3	50.0	30.5*	20.0
Dichlorofluoromethane	Ave	2.242	2.652		59.1	50.0	18.3	20.0
Ethyl ether	Ave	1.319	1.270		48.1	50.0	-3.7	20.0
Acrolein	Ave	0.1266	0.1208		238	250	-4.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.328	0.1000	62.8	50.0	25.6*	20.0
1,1-Dichloroethene	Ave	0.9392	1.098	0.1000	58.5	50.0	16.9	20.0
Acetone	Ave	0.5469	0.5389	0.1000	246	250	-1.5	50.0
Iodomethane	Ave	2.031	1.938		47.7	50.0	-4.6	20.0
Carbon disulfide	Ave	3.330	3.781	0.1000	56.8	50.0	13.5	20.0
Allyl chloride	Ave	2.185	2.720		62.2	50.0	~~24.5~~*	20.0
Methyl acetate	Ave	1.271	1.304	0.1000	103	100	2.6	50.0
Methylene Chloride	Lin1		1.328	0.1000	50.2	50.0	0.3	20.0
2-Methyl-2-propanol	Ave	0.2296	0.2002		436	500	-12.8	50.0
Methyl tert-butyl ether	Ave	3.993	3.701	0.1000	46.3	50.0	-7.3	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.266	0.1000	55.6	50.0	11.3	20.0
Acrylonitrile	Ave	0.6430	0.6464		503	500	0.5	20.0
Hexane	Ave	1.869	2.379		63.6	50.0	~~27.3~~*	20.0
1,1-Dichloroethane	Ave	2.243	2.543	0.2000	56.7	50.0	13.4	20.0
Vinyl acetate	Ave	3.099	3.402		110	100	9.8	20.0
2,2-Dichloropropane	Ave	1.367	1.563		57.2	50.0	14.4	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.395	0.1000	51.5	50.0	3.0	20.0
2-Butanone (MEK)	Ave	0.7898	0.8033	0.1000	254	250	1.7	20.0
Chlorobromomethane	Ave	0.7377	0.6755		45.8	50.0	-8.4	20.0
Tetrahydrofuran	Ave	0.5387	0.5447		101	100	1.1	20.0
Chloroform	Ave	2.180	2.230	0.2000	51.2	50.0	2.3	20.0
1,1,1-Trichloroethane	Ave	1.658	1.912	0.1000	57.7	50.0	15.3	20.0
Cyclohexane	Ave	2.168	2.969	0.1000	68.5	50.0	36.9*	20.0
Carbon tetrachloride	Ave	1.428	1.680	0.1000	58.8	50.0	17.6	20.0
1,1-Dichloropropene	Ave	1.383	1.682		60.8	50.0	~~21.6~~*	20.0
Benzene	Ave	4.371	4.797	0.5000	54.9	50.0	9.8	20.0
Isobutyl alcohol	Ave	0.0869	0.0876		1260	1250	0.7	50.0
1,2-Dichloroethane	Ave	1.917	1.834	0.1000	47.8	50.0	-4.3	20.0
n-Heptane	Ave	1.767	2.640		74.7	50.0	~~49.4~~*	20.0
Trichloroethene	Ave	1.124	1.251	0.2000	55.7	50.0	11.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-689709/4 Calibration Date: 10/31/2023 19:09

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12031.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.801	2.312	0.1000	64.2	50.0	28.4*	20.0
1,2-Dichloropropane	Ave	1.264	1.335	0.1000	52.8	50.0	5.6	20.0
Dibromomethane	Ave	0.7896	0.7341	0.1000	46.5	50.0	-7.0	20.0
1,4-Dioxane	Ave	0.0071	0.0063		885	1000	-11.5	50.0
Bromodichloromethane	Ave	1.553	1.566	0.2000	50.4	50.0	0.8	20.0
2-Chloroethyl vinyl ether	Ave	0.7992	0.7537		47.2	50.0	-5.7	20.0
cis-1,3-Dichloropropene	Ave	1.823	1.846	0.2000	50.6	50.0	1.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7072	0.7111	0.1000	251	250	0.6	20.0
Toluene	Ave	1.179	1.195	0.4000	50.7	50.0	1.3	20.0
trans-1,3-Dichloropropene	Ave	0.7162	0.6575	0.1000	45.9	50.0	-8.2	20.0
Ethyl methacrylate	Ave	0.6577	0.5885		44.7	50.0	-10.5	20.0
1,1,2-Trichloroethane	Ave	0.3856	0.3460	0.1000	44.9	50.0	-10.3	20.0
Tetrachloroethene	Ave	0.4851	0.4856	0.2000	50.0	50.0	0.0	20.0
1,3-Dichloropropane	Ave	0.7715	0.6992		45.3	50.0	-9.4	20.0
2-Hexanone	Ave	0.4689	0.4752	0.1000	253	250	1.3	20.0
Dibromochloromethane	Ave	0.5290	0.4647	0.1000	43.9	50.0	-12.2	20.0
1,2-Dibromoethane	Ave	0.4810	0.4135		43.0	50.0	-14.0	20.0
Chlorobenzene	Ave	1.414	1.329	0.5000	47.0	50.0	-6.0	20.0
Ethylbenzene	Ave	2.224	2.301	0.1000	51.7	50.0	3.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5366	0.4892		45.6	50.0	-8.8	20.0
m,p-Xylene	Ave	0.8856	0.8945	0.1000	50.5	50.0	1.0	20.0
o-Xylene	Ave	0.9555	0.9162	0.3000	47.9	50.0	-4.1	20.0
Styrene	Ave	1.526	1.456	0.3000	47.7	50.0	-4.6	20.0
Bromoform	Ave	0.3516	0.2813	0.1000	40.0	50.0	-20.0	50.0
Isopropylbenzene	Ave	2.042	2.338	0.1000	57.2	50.0	14.5	20.0
Bromobenzene	Ave	0.5860	0.5448		46.5	50.0	-7.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.5985	0.3000	47.3	50.0	-5.4	20.0
N-Propylbenzene	Ave	2.443	2.817		57.6	50.0	15.3	20.0
1,2,3-Trichloropropane	Ave	0.2016	0.1817		45.1	50.0	-9.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2170	0.2183		50.3	50.0	0.6	50.0
2-Chlorotoluene	Ave	0.5425	0.5633		51.9	50.0	3.8	20.0
1,3,5-Trimethylbenzene	Ave	1.861	2.022		54.3	50.0	8.7	20.0
4-Chlorotoluene	Ave	0.5493	0.5544		50.5	50.0	0.9	20.0
tert-Butylbenzene	Ave	0.3855	0.4292		55.7	50.0	11.3	20.0
1,2,4-Trimethylbenzene	Ave	1.996	2.062		51.7	50.0	3.3	20.0
sec-Butylbenzene	Ave	2.244	2.601		57.9	50.0	15.9	20.0
1,3-Dichlorobenzene	Ave	1.160	1.097	0.6000	47.3	50.0	-5.4	20.0
4-Isopropyltoluene	Ave	2.050	2.258		55.1	50.0	10.1	20.0
1,4-Dichlorobenzene	Ave	1.189	1.098	0.5000	46.2	50.0	-7.7	20.0
n-Butylbenzene	Ave	1.824	2.128		58.3	50.0	16.6	20.0
1,2-Dichlorobenzene	Ave	1.180	1.085	0.4000	46.0	50.0	-8.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-689922/4 Calibration Date: 11/01/2023 19:44

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12062.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.359	0.1000	54.6	50.0	9.2	50.0
Chloromethane	Ave	1.777	2.249	0.1000	63.3	50.0	26.6*	20.0
Vinyl chloride	Ave	1.400	1.741	0.1000	62.2	50.0	24.3*	20.0
Butadiene	Ave	1.507	1.989		66.0	50.0	32.0*	20.0
Bromomethane	Ave	0.9298	0.8400	0.1000	45.2	50.0	-9.7	50.0
Chloroethane	Ave	0.8947	1.037	0.1000	58.0	50.0	15.9	50.0
Trichlorofluoromethane	Ave	1.479	1.857	0.1000	62.8	50.0	25.5*	20.0
Dichlorofluoromethane	Ave	2.242	2.502		55.8	50.0	11.6	20.0
Ethyl ether	Ave	1.319	1.257		47.6	50.0	-4.8	20.0
Acrolein	Ave	0.1266	0.1215		240	250	-4.0	50.0
1,1-Dichloroethene	Ave	0.9392	1.041	0.1000	55.4	50.0	10.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.269	0.1000	60.0	50.0	20.0	20.0
Acetone	Ave	0.5469	0.5723	0.1000	262	250	4.6	50.0
Iodomethane	Ave	2.031	1.941		47.8	50.0	-4.4	20.0
Carbon disulfide	Ave	3.330	3.579	0.1000	53.7	50.0	7.5	20.0
Allyl chloride	Ave	2.185	2.544		58.2	50.0	16.4	20.0
Methyl acetate	Ave	1.271	1.335	0.1000	105	100	5.0	50.0
Methylene Chloride	Lin1		1.331	0.1000	50.3	50.0	0.5	20.0
2-Methyl-2-propanol	Ave	0.2296	0.2213		482	500	-3.6	50.0
Methyl tert-butyl ether	Ave	3.993	3.659	0.1000	45.8	50.0	-8.4	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.210	0.1000	53.2	50.0	6.4	20.0
Acrylonitrile	Ave	0.6430	0.6681		520	500	3.9	20.0
Hexane	Ave	1.869	2.222		59.4	50.0	18.9	20.0
1,1-Dichloroethane	Ave	2.243	2.407	0.2000	53.7	50.0	7.3	20.0
Vinyl acetate	Ave	3.099	3.417		110	100	10.3	20.0
2,2-Dichloropropane	Ave	1.367	1.387		50.8	50.0	1.5	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.349	0.1000	49.8	50.0	-0.5	20.0
2-Butanone (MEK)	Ave	0.7898	0.8506	0.1000	269	250	7.7	20.0
Chlorobromomethane	Ave	0.7377	0.6717		45.5	50.0	-9.0	20.0
Tetrahydrofuran	Ave	0.5387	0.5750		107	100	6.7	20.0
Chloroform	Ave	2.180	2.179	0.2000	50.0	50.0	-0.0	20.0
1,1,1-Trichloroethane	Ave	1.658	1.794	0.1000	54.1	50.0	8.2	20.0
Cyclohexane	Ave	2.168	2.784	0.1000	64.2	50.0	28.4*	20.0
Carbon tetrachloride	Ave	1.428	1.533	0.1000	53.7	50.0	7.3	20.0
1,1-Dichloropropene	Ave	1.383	1.591		57.5	50.0	15.1	20.0
Benzene	Ave	4.371	4.656	0.5000	53.3	50.0	6.5	20.0
Isobutyl alcohol	Ave	0.0869	0.0969		1390	1250	11.5	50.0
1,2-Dichloroethane	Ave	1.917	1.842	0.1000	48.0	50.0	-3.9	20.0
n-Heptane	Ave	1.767	2.373		67.1	50.0	34.3*	20.0
Trichloroethene	Ave	1.124	1.196	0.2000	53.2	50.0	6.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 480-689922/4 Calibration Date: 11/01/2023 19:44

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12062.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.801	2.170	0.1000	60.3	50.0	20.5*	20.0
1,2-Dichloropropane	Ave	1.264	1.322	0.1000	52.3	50.0	4.6	20.0
Dibromomethane	Ave	0.7896	0.7500	0.1000	47.5	50.0	-5.0	20.0
1,4-Dioxane	Ave	0.0071	0.0071		990	1000	-1.0	50.0
Bromodichloromethane	Ave	1.553	1.552	0.2000	49.9	50.0	-0.1	20.0
2-Chloroethyl vinyl ether	Ave	0.7992	0.7875		49.3	50.0	-1.5	20.0
cis-1,3-Dichloropropene	Ave	1.823	1.848	0.2000	50.7	50.0	1.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7072	0.7246	0.1000	256	250	2.5	20.0
Toluene	Ave	1.179	1.169	0.4000	49.6	50.0	-0.9	20.0
trans-1,3-Dichloropropene	Ave	0.7162	0.6796	0.1000	47.4	50.0	-5.1	20.0
Ethyl methacrylate	Ave	0.6577	0.5957		45.3	50.0	-9.4	20.0
1,1,2-Trichloroethane	Ave	0.3856	0.3625	0.1000	47.0	50.0	-6.0	20.0
Tetrachloroethene	Ave	0.4851	0.4686	0.2000	48.3	50.0	-3.4	20.0
1,3-Dichloropropane	Ave	0.7715	0.7118		46.1	50.0	-7.7	20.0
2-Hexanone	Ave	0.4689	0.4931	0.1000	263	250	5.2	20.0
Dibromochloromethane	Ave	0.5290	0.4546	0.1000	43.0	50.0	-14.1	20.0
1,2-Dibromoethane	Ave	0.4810	0.4269		44.4	50.0	-11.2	20.0
Chlorobenzene	Ave	1.414	1.330	0.5000	47.0	50.0	-5.9	20.0
Ethylbenzene	Ave	2.224	2.232	0.1000	50.2	50.0	0.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5366	0.4816		44.9	50.0	-10.2	20.0
m,p-Xylene	Ave	0.8856	0.8665	0.1000	48.9	50.0	-2.2	20.0
o-Xylene	Ave	0.9555	0.8988	0.3000	47.0	50.0	-5.9	20.0
Styrene	Ave	1.526	1.425	0.3000	46.7	50.0	-6.7	20.0
Bromoform	Ave	0.3516	0.2916	0.1000	41.5	50.0	-17.1	50.0
Isopropylbenzene	Ave	2.042	2.212	0.1000	54.2	50.0	8.3	20.0
Bromobenzene	Ave	0.5860	0.5373		45.9	50.0	-8.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.6000	0.3000	47.4	50.0	-5.2	20.0
N-Propylbenzene	Ave	2.443	2.663		54.5	50.0	9.0	20.0
1,2,3-Trichloropropane	Ave	0.2016	0.1780		44.1	50.0	-11.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2170	0.2134		49.2	50.0	-1.7	50.0
2-Chlorotoluene	Ave	0.5425	0.5336		49.2	50.0	-1.6	20.0
1,3,5-Trimethylbenzene	Ave	1.861	1.931		51.9	50.0	3.8	20.0
4-Chlorotoluene	Ave	0.5493	0.5365		48.8	50.0	-2.3	20.0
tert-Butylbenzene	Ave	0.3855	0.4138		53.7	50.0	7.4	20.0
1,2,4-Trimethylbenzene	Ave	1.996	1.995		50.0	50.0	-0.0	20.0
sec-Butylbenzene	Ave	2.244	2.477		55.2	50.0	10.3	20.0
1,3-Dichlorobenzene	Ave	1.160	1.054	0.6000	45.4	50.0	-9.1	20.0
4-Isopropyltoluene	Ave	2.050	2.163		52.7	50.0	5.5	20.0
1,4-Dichlorobenzene	Ave	1.189	1.082	0.5000	45.5	50.0	-9.0	20.0
n-Butylbenzene	Ave	1.824	2.014		55.2	50.0	10.4	20.0
1,2-Dichlorobenzene	Ave	1.180	1.069	0.4000	45.3	50.0	-9.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690917/4 Calibration Date: 11/08/2023 11:28

Instrument ID: HP5973S Calib Start Date: 11/06/2023 21:30

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/07/2023 00:14

Lab File ID: S3567.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.269	1.412	0.1000	27.8	25.0	11.2	50.0
Chloromethane	Ave	1.218	1.274	0.1000	26.1	25.0	4.6	20.0
Vinyl chloride	Ave	1.259	1.403	0.1000	27.9	25.0	11.5	20.0
Butadiene	Ave	1.409	1.540		27.3	25.0	9.3	20.0
Bromomethane	Ave	1.066	1.053	0.1000	24.7	25.0	-1.2	50.0
Chloroethane	Ave	0.997	0.9726	0.1000	24.4	25.0	-2.5	50.0
Dichlorofluoromethane	Ave	2.492	2.621		26.3	25.0	5.2	20.0
Trichlorofluoromethane	Ave	2.178	2.350	0.1000	27.0	25.0	7.9	20.0
Ethyl ether	Ave	1.291	1.238		24.0	25.0	-4.1	20.0
Acrolein	Ave	0.0841	0.0796		118	125	-5.4	50.0
1,1-Dichloroethene	Ave	1.083	1.188	0.1000	27.4	25.0	9.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.134	1.363	0.1000	30.0	25.0	20.1*	20.0
Acetone	Ave	0.5082	0.4946	0.1000	122	125	-2.7	50.0
Iodomethane	Ave	2.084	2.188		26.3	25.0	5.0	20.0
Carbon disulfide	Ave	3.694	3.901	0.1000	26.4	25.0	5.6	20.0
Allyl chloride	Ave	1.934	2.126		27.5	25.0	9.9	20.0
Methyl acetate	Ave	1.187	1.020	0.1000	43.0	50.0	-14.1	50.0
Methylene Chloride	Lin1		1.317	0.1000	26.8	25.0	7.3	20.0
2-Methyl-2-propanol	Ave	0.0751	0.0934		311	250	~~24.4~~	50.0
Methyl tert-butyl ether	Ave	3.696	3.901	0.1000	26.4	25.0	5.6	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.327	0.1000	29.2	25.0	16.7	20.0
Acrylonitrile	Ave	0.5453	0.5517		253	250	1.2	20.0
Hexane	Ave	1.792	2.180		30.4	25.0	~~21.6~~*	20.0
1,1-Dichloroethane	Ave	2.106	2.387	0.2000	28.3	25.0	13.3	20.0
Vinyl acetate	Ave	2.465	2.596		52.7	50.0	5.3	20.0
2,2-Dichloropropane	Ave	1.249	1.582		31.7	25.0	~~26.6~~*	20.0
cis-1,2-Dichloroethene	Ave	1.287	1.440	0.1000	28.0	25.0	11.9	20.0
2-Butanone (MEK)	Ave	0.7003	0.6897	0.1000	123	125	-1.5	20.0
Chlorobromomethane	Ave	0.6901	0.7266		26.3	25.0	5.3	20.0
Tetrahydrofuran	Ave	0.4542	0.4317		47.5	50.0	-5.0	20.0
Chloroform	Ave	2.178	2.324	0.2000	26.7	25.0	6.7	20.0
1,1,1-Trichloroethane	Ave	1.668	1.942	0.1000	29.1	25.0	16.4	20.0
Cyclohexane	Ave	2.076	2.580	0.1000	31.1	25.0	24.3*	20.0
Carbon tetrachloride	Ave	1.295	1.476	0.1000	28.5	25.0	14.0	20.0
1,1-Dichloropropene	Ave	1.616	1.904		29.5	25.0	17.9	20.0
Benzene	Ave	4.871	5.453	0.5000	28.0	25.0	11.9	20.0
Isobutyl alcohol	Ave	0.0256	0.0316		771	625	~~23.3~~	50.0
1,2-Dichloroethane	Ave	1.973	2.025	0.1000	25.7	25.0	2.6	20.0
n-Heptane	Ave	1.723	2.051		29.7	25.0	19.0	20.0
Trichloroethene	Ave	1.230	1.412	0.2000	28.7	25.0	14.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690917/4 Calibration Date: 11/08/2023 11:28

Instrument ID: HP5973S Calib Start Date: 11/06/2023 21:30

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/07/2023 00:14

Lab File ID: S3567.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.080	2.549	0.1000	30.6	25.0	22.6*	20.0
1,2-Dichloropropane	Ave	1.202	1.309	0.1000	27.2	25.0	8.9	20.0
Dibromomethane	Ave	0.8343	0.8687	0.1000	26.0	25.0	4.1	20.0
1,4-Dioxane	Ave	0.0028	~~0.0036~~		634	500	~~26.9~~	50.0
Bromodichloromethane	Ave	1.510	1.554	0.2000	25.7	25.0	3.0	20.0
2-Chloroethyl vinyl ether	Ave	0.7935	0.8833		27.8	25.0	11.3	20.0
cis-1,3-Dichloropropene	Ave	1.771	1.933	0.2000	27.3	25.0	9.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7823	0.7107	0.1000	114	125	-9.2	20.0
Toluene	Ave	1.482	1.641	0.4000	27.7	25.0	10.7	20.0
trans-1,3-Dichloropropene	Lin1		0.7661	0.1000	23.4	25.0	-6.6	20.0
Ethyl methacrylate	Ave	0.7117	0.7587		26.7	25.0	6.6	20.0
1,1,2-Trichloroethane	Ave	0.4464	0.4556	0.1000	25.5	25.0	2.1	20.0
Tetrachloroethene	Ave	0.6141	0.7251	0.2000	29.5	25.0	18.1	20.0
1,3-Dichloropropane	Ave	0.9309	0.9763		26.2	25.0	4.9	20.0
2-Hexanone	Ave	0.5232	0.4974	0.1000	119	125	-4.9	20.0
Dibromochloromethane	Ave	0.5012	0.4804	0.1000	24.0	25.0	-4.2	20.0
1,2-Dibromoethane	Ave	0.5422	0.5538		25.5	25.0	2.1	20.0
Chlorobenzene	Ave	1.639	1.781	0.5000	27.2	25.0	8.7	20.0
Ethylbenzene	Ave	2.769	3.175	0.1000	28.7	25.0	14.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4801	0.5116		26.6	25.0	6.6	20.0
m,p-Xylene	Ave	1.093	1.256	0.1000	28.7	25.0	14.9	20.0
o-Xylene	Ave	1.074	1.213	0.3000	28.2	25.0	12.9	20.0
Styrene	Ave	1.655	1.943	0.3000	29.4	25.0	17.4	20.0
Bromoform	Ave	0.2914	0.2866	0.1000	24.6	25.0	-1.6	50.0
Isopropylbenzene	Ave	2.459	2.963	0.1000	30.1	25.0	20.5*	20.0
Bromobenzene	Ave	0.6859	0.7461		27.2	25.0	8.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6998	0.6855	0.3000	24.5	25.0	-2.0	20.0
N-Propylbenzene	Ave	2.973	3.553		29.9	25.0	19.5	20.0
1,2,3-Trichloropropane	Ave	0.2450	0.2308		23.6	25.0	-5.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1982	0.1992		25.1	25.0	0.5	50.0
2-Chlorotoluene	Ave	0.6131	0.6942		28.3	25.0	13.2	20.0
1,3,5-Trimethylbenzene	Ave	2.118	2.499		29.5	25.0	18.0	20.0
4-Chlorotoluene	Ave	0.6501	0.7356		28.3	25.0	13.1	20.0
tert-Butylbenzene	Ave	0.4944	0.5964		30.2	25.0	~~20.6~~*	20.0
1,2,4-Trimethylbenzene	Ave	2.203	2.566		29.1	25.0	16.5	20.0
sec-Butylbenzene	Ave	2.690	3.214		29.9	25.0	19.5	20.0
1,3-Dichlorobenzene	Ave	1.306	1.460	0.6000	28.0	25.0	11.9	20.0
4-Isopropyltoluene	Ave	2.330	2.848		30.6	25.0	~~22.2~~*	20.0
1,4-Dichlorobenzene	Ave	1.384	1.497	0.5000	27.1	25.0	8.2	20.0
n-Butylbenzene	Ave	2.032	2.494		30.7	25.0	~~22.8~~*	20.0
1,2-Dichlorobenzene	Ave	1.316	1.422	0.4000	27.0	25.0	8.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690917/4 Calibration Date: 11/08/2023 11:28

Instrument ID: HP5973S Calib Start Date: 11/06/2023 21:30

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/07/2023 00:14

Lab File ID: S3567.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1		0.0930	0.0500	16.5	25.0	-34.2	50.0
1,2,4-Trichlorobenzene	Ave	0.8816	0.9737	0.2000	27.6	25.0	10.4	20.0
Hexachlorobutadiene	Ave	0.3756	0.4512		30.0	25.0	~~20.1~~*	20.0
Naphthalene	Ave	2.466	2.577		26.1	25.0	4.5	20.0
1,2,3-Trichlorobenzene	Ave	0.8806	0.9184		26.1	25.0	4.3	20.0
Dibromofluoromethane (Surr)	Ave	1.304	1.304		25.0	25.0	-0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8716	0.8741		25.1	25.0	0.3	20.0
Toluene-d8 (Surr)	Ave	2.445	2.432		24.9	25.0	-0.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7806	0.7936		25.4	25.0	1.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-691279/4 Calibration Date: 11/10/2023 01:37

Instrument ID: HP5973S Calib Start Date: 11/06/2023 21:30

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/07/2023 00:14

Lab File ID: S3664.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.269	1.714	0.1000	33.8	25.0	35.0	50.0
Chloromethane	Ave	1.218	1.443	0.1000	29.6	25.0	18.5	20.0
Vinyl chloride	Ave	1.259	1.557	0.1000	30.9	25.0	23.7*	20.0
Butadiene	Ave	1.409	1.870		33.2	25.0	~~32.6~~*	20.0
Bromomethane	Ave	1.066	1.027	0.1000	24.1	25.0	-3.7	50.0
Chloroethane	Ave	0.997	0.995	0.1000	24.9	25.0	-0.2	50.0
Trichlorofluoromethane	Ave	2.178	2.348	0.1000	26.9	25.0	7.8	20.0
Dichlorofluoromethane	Ave	2.492	2.596		26.0	25.0	4.2	20.0
Ethyl ether	Ave	1.291	1.249		24.2	25.0	-3.2	20.0
Acrolein	Ave	0.0841	0.0772		115	125	-8.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.134	1.285	0.1000	28.3	25.0	13.3	20.0
1,1-Dichloroethene	Ave	1.083	1.138	0.1000	26.3	25.0	5.1	20.0
Acetone	Ave	0.5082	0.5416	0.1000	133	125	6.6	50.0
Iodomethane	Ave	2.084	2.109		25.3	25.0	1.2	20.0
Carbon disulfide	Ave	3.694	3.694	0.1000	25.0	25.0	-0.0	20.0
Allyl chloride	Ave	1.934	1.957		25.3	25.0	1.2	20.0
Methyl acetate	Ave	1.187	1.160	0.1000	48.8	50.0	-2.3	50.0
Methylene Chloride	Lin1		1.279	0.1000	26.0	25.0	4.1	20.0
2-Methyl-2-propanol	Ave	0.0751	0.0954		317	250	~~26.9~~	50.0
Methyl tert-butyl ether	Ave	3.696	3.883	0.1000	26.3	25.0	5.1	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.314	0.1000	28.9	25.0	15.6	20.0
Acrylonitrile	Ave	0.5453	0.6015		276	250	10.3	20.0
Hexane	Ave	1.792	2.052		28.6	25.0	14.5	20.0
1,1-Dichloroethane	Ave	2.106	2.347	0.2000	27.9	25.0	11.4	20.0
Vinyl acetate	Ave	2.465	2.636		53.5	50.0	6.9	20.0
2,2-Dichloropropane	Ave	1.249	1.442		28.9	25.0	15.5	20.0
cis-1,2-Dichloroethene	Ave	1.287	1.405	0.1000	27.3	25.0	9.1	20.0
2-Butanone (MEK)	Ave	0.7003	0.7650	0.1000	137	125	9.2	20.0
Chlorobromomethane	Ave	0.6901	0.7177		26.0	25.0	4.0	20.0
Tetrahydrofuran	Ave	0.4542	0.4701		51.7	50.0	3.5	20.0
Chloroform	Ave	2.178	2.329	0.2000	26.7	25.0	6.9	20.0
1,1,1-Trichloroethane	Ave	1.668	1.954	0.1000	29.3	25.0	17.1	20.0
Cyclohexane	Ave	2.076	2.453	0.1000	29.5	25.0	18.1	20.0
Carbon tetrachloride	Ave	1.295	1.590	0.1000	30.7	25.0	22.8*	20.0
1,1-Dichloropropene	Ave	1.616	1.872		29.0	25.0	15.9	20.0
Benzene	Ave	4.871	5.249	0.5000	26.9	25.0	7.8	20.0
Isobutyl alcohol	Ave	0.0256	0.0360		879	625	~~40.6~~	50.0
1,2-Dichloroethane	Ave	1.973	2.070	0.1000	26.2	25.0	4.9	20.0
n-Heptane	Ave	1.723	1.848		26.8	25.0	7.3	20.0
Trichloroethene	Ave	1.230	1.393	0.2000	28.3	25.0	13.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690245/4 Calibration Date: 11/04/2023 01:58

Instrument ID: HP5977K Calib Start Date: 11/02/2023 14:26

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/02/2023 17:02

Lab File ID: K1487.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.512	2.531	0.1000	25.2	25.0	0.8	20.0
1,2-Dichloropropane	Ave	1.427	1.347	0.1000	23.6	25.0	-5.6	20.0
Dibromomethane	Ave	0.9075	0.8193	0.1000	22.6	25.0	-9.7	20.0
1,4-Dioxane	Ave	0.0069	0.0048		347	500	-30.5	50.0
Bromodichloromethane	Ave	1.608	1.552	0.2000	24.1	25.0	-3.5	20.0
2-Chloroethyl vinyl ether	Ave	1.137	0.8977		19.7	25.0	-21.0*	20.0
cis-1,3-Dichloropropene	Ave	2.213	1.936	0.2000	21.9	25.0	-12.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5843	0.4421	0.1000	94.6	125	-24.3*	20.0
Toluene	Ave	0.9206	0.8003	0.4000	21.7	25.0	-13.1	20.0
trans-1,3-Dichloropropene	Ave	0.5053	0.4048	0.1000	20.0	25.0	-19.9	20.0
Ethyl methacrylate	Ave	0.5465	0.4034		18.5	25.0	-26.2*	20.0
1,1,2-Trichloroethane	Ave	0.2837	0.2371	0.1000	20.9	25.0	-16.4	20.0
Tetrachloroethene	Ave	0.3717	0.3464	0.2000	23.3	25.0	-6.8	20.0
1,3-Dichloropropane	Ave	0.6043	0.4650		19.2	25.0	-23.0*	20.0
2-Hexanone	Ave	0.4303	0.3282	0.1000	95.4	125	-23.7*	20.0
Dibromochloromethane	Ave	0.3138	0.2775	0.1000	22.1	25.0	-11.6	20.0
1,2-Dibromoethane	Ave	0.3569	0.2978		20.9	25.0	-16.6	20.0
Chlorobenzene	Ave	0.9815	0.9047	0.5000	23.0	25.0	-7.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3182	0.3115		24.5	25.0	-2.1	20.0
Ethylbenzene	Ave	1.729	1.530	0.1000	22.1	25.0	-11.5	20.0
m,p-Xylene	Ave	0.6648	0.6131	0.1000	23.1	25.0	-7.8	20.0
o-Xylene	Ave	0.6749	0.6049	0.3000	22.4	25.0	-10.4	20.0
Styrene	Ave	1.072	0.9508	0.3000	22.2	25.0	-11.3	20.0
Bromoform	Ave	0.1829	0.1738	0.1000	23.8	25.0	-4.9	50.0
Isopropylbenzene	Ave	3.467	2.989	0.1000	21.6	25.0	-13.8	20.0
Bromobenzene	Ave	0.8212	0.7266		22.1	25.0	-11.5	20.0
1,1,2,2-Tetrachloroethane	Ave	1.046	0.7994	0.3000	19.1	25.0	-23.6*	20.0
1,2,3-Trichloropropane	Ave	0.3339	0.2705		20.2	25.0	-19.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3184	0.2418		19.0	25.0	-24.1	50.0
N-Propylbenzene	Ave	4.125	3.513		21.3	25.0	-14.8	20.0
2-Chlorotoluene	Ave	0.8147	0.7327		22.5	25.0	-10.1	20.0
1,3,5-Trimethylbenzene	Ave	2.698	2.373		22.0	25.0	-12.0	20.0
4-Chlorotoluene	Ave	2.562	2.120		20.7	25.0	-17.3	20.0
tert-Butylbenzene	Ave	0.6110	0.5729		23.4	25.0	-6.2	20.0
1,2,4-Trimethylbenzene	Ave	2.710	2.405		22.2	25.0	-11.3	20.0
sec-Butylbenzene	Ave	3.519	3.160		22.4	25.0	-10.2	20.0
1,3-Dichlorobenzene	Ave	1.547	1.408	0.6000	22.8	25.0	-8.9	20.0
4-Isopropyltoluene	Ave	2.999	2.723		22.7	25.0	-9.2	20.0
1,4-Dichlorobenzene	Ave	1.553	1.405	0.5000	22.6	25.0	-9.5	20.0
n-Butylbenzene	Ave	2.568	2.294		22.3	25.0	-10.7	20.0
1,2-Dichlorobenzene	Ave	1.406	1.270	0.4000	22.6	25.0	-9.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690579/4 Calibration Date: 11/06/2023 23:43

Instrument ID: HP5977K Calib Start Date: 11/02/2023 14:26

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/02/2023 17:02

Lab File ID: K1550.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.512	2.574	0.1000	25.6	25.0	2.5	20.0
1,2-Dichloropropane	Ave	1.427	1.370	0.1000	24.0	25.0	-4.0	20.0
Dibromomethane	Ave	0.9075	0.9118	0.1000	25.1	25.0	0.5	20.0
1,4-Dioxane	Ave	0.0069	~~0.0050~~		360	500	~~-28.0~~	50.0
Bromodichloromethane	Ave	1.608	1.745	0.2000	27.1	25.0	8.5	20.0
2-Chloroethyl vinyl ether	Ave	1.137	1.004		22.1	25.0	-11.7	20.0
cis-1,3-Dichloropropene	Ave	2.213	2.118	0.2000	23.9	25.0	-4.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5843	0.4578	0.1000	97.9	125	-21.6*	20.0
Toluene	Ave	0.9206	0.8561	0.4000	23.2	25.0	-7.0	20.0
trans-1,3-Dichloropropene	Ave	0.5053	0.4332	0.1000	21.4	25.0	-14.3	20.0
Ethyl methacrylate	Ave	0.5465	0.4363		20.0	25.0	~~-20.2~~*	20.0
1,1,2-Trichloroethane	Ave	0.2837	0.2458	0.1000	21.7	25.0	-13.4	20.0
Tetrachloroethene	Ave	0.3717	0.3840	0.2000	25.8	25.0	3.3	20.0
1,3-Dichloropropane	Ave	0.6043	0.4988		20.6	25.0	-17.5	20.0
2-Hexanone	Ave	0.4303	0.3412	0.1000	99.1	125	-20.7*	20.0
Dibromochloromethane	Ave	0.3138	0.3161	0.1000	25.2	25.0	0.7	20.0
1,2-Dibromoethane	Ave	0.3569	0.3262		22.8	25.0	-8.6	20.0
Chlorobenzene	Ave	0.9815	0.9913	0.5000	25.3	25.0	1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3182	0.3455		27.1	25.0	8.6	20.0
Ethylbenzene	Ave	1.729	1.617	0.1000	23.4	25.0	-6.5	20.0
m,p-Xylene	Ave	0.6648	0.6465	0.1000	24.3	25.0	-2.8	20.0
o-Xylene	Ave	0.6749	0.6438	0.3000	23.8	25.0	-4.6	20.0
Styrene	Ave	1.072	1.023	0.3000	23.9	25.0	-4.6	20.0
Bromoform	Ave	0.1829	0.1927	0.1000	26.3	25.0	5.4	50.0
Isopropylbenzene	Ave	3.467	3.142	0.1000	22.7	25.0	-9.4	20.0
Bromobenzene	Ave	0.8212	0.7752		23.6	25.0	-5.6	20.0
1,1,2,2-Tetrachloroethane	Ave	1.046	0.8575	0.3000	20.5	25.0	-18.0	20.0
1,2,3-Trichloropropane	Ave	0.3339	0.2814		21.1	25.0	-15.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3184	0.2223		17.5	25.0	~~-30.2~~	50.0
N-Propylbenzene	Ave	4.125	3.629		22.0	25.0	-12.0	20.0
2-Chlorotoluene	Ave	0.8147	0.7683		23.6	25.0	-5.7	20.0
1,3,5-Trimethylbenzene	Ave	2.698	2.477		23.0	25.0	-8.2	20.0
4-Chlorotoluene	Ave	2.562	2.252		22.0	25.0	-12.1	20.0
tert-Butylbenzene	Ave	0.6110	0.5978		24.5	25.0	-2.2	20.0
1,2,4-Trimethylbenzene	Ave	2.710	2.589		23.9	25.0	-4.5	20.0
sec-Butylbenzene	Ave	3.519	3.281		23.3	25.0	-6.8	20.0
1,3-Dichlorobenzene	Ave	1.547	1.507	0.6000	24.4	25.0	-2.6	20.0
4-Isopropyltoluene	Ave	2.999	2.900		24.2	25.0	-3.3	20.0
1,4-Dichlorobenzene	Ave	1.553	1.520	0.5000	24.5	25.0	-2.1	20.0
n-Butylbenzene	Ave	2.568	2.396		23.3	25.0	-6.7	20.0
1,2-Dichlorobenzene	Ave	1.406	1.401	0.4000	24.9	25.0	-0.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690420/4 Calibration Date: 11/05/2023 08:42

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12093.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.802	0.1000	72.3	50.0	44.7	50.0
Chloromethane	Ave	1.777	2.683	0.1000	75.5	50.0	51.0*	20.0
Vinyl chloride	Ave	1.400	1.915	0.1000	68.4	50.0	36.7*	20.0
Butadiene	Ave	1.507	2.206		73.2	50.0	~~46.4~~*	20.0
Bromomethane	Ave	0.9298	0.9363	0.1000	50.3	50.0	0.7	50.0
Chloroethane	Ave	0.8947	1.012	0.1000	56.5	50.0	13.1	50.0
Trichlorofluoromethane	Ave	1.479	1.899	0.1000	64.2	50.0	28.4*	20.0
Dichlorofluoromethane	Ave	2.242	2.723		60.7	50.0	~~21.4~~*	20.0
Ethyl ether	Ave	1.319	1.339		50.7	50.0	1.5	20.0
Acrolein	Ave	0.1266	0.1249		247	250	-1.3	50.0
1,1-Dichloroethene	Ave	0.9392	1.112	0.1000	59.2	50.0	18.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.420	0.1000	67.2	50.0	34.4*	20.0
Acetone	Ave	0.5469	0.6185	0.1000	283	250	13.1	50.0
Iodomethane	Ave	2.031	2.064		50.8	50.0	1.7	20.0
Carbon disulfide	Ave	3.330	3.962	0.1000	59.5	50.0	19.0	20.0
Allyl chloride	Ave	2.185	2.688		61.5	50.0	~~23.1~~*	20.0
Methyl acetate	Ave	1.271	1.483	0.1000	117	100	16.7	50.0
Methylene Chloride	Lin1		1.426	0.1000	53.9	50.0	7.9	20.0
2-Methyl-2-propanol	Ave	0.2296	0.2557		557	500	11.4	50.0
Methyl tert-butyl ether	Ave	3.993	3.986	0.1000	49.9	50.0	-0.2	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.263	0.1000	55.5	50.0	11.0	20.0
Acrylonitrile	Ave	0.6430	0.7385		574	500	14.8	20.0
Hexane	Ave	1.869	2.312		61.8	50.0	~~23.7*~~	20.0
1,1-Dichloroethane	Ave	2.243	2.528	0.2000	56.4	50.0	12.7	20.0
Vinyl acetate	Ave	3.099	3.680		119	100	18.8	20.0
2,2-Dichloropropane	Ave	1.367	1.460		53.4	50.0	6.8	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.445	0.1000	53.3	50.0	6.7	20.0
2-Butanone (MEK)	Ave	0.7898	0.9526	0.1000	302	250	20.6*	20.0
Chlorobromomethane	Ave	0.7377	0.7213		48.9	50.0	-2.2	20.0
Tetrahydrofuran	Ave	0.5387	0.6419		119	100	19.2	20.0
Chloroform	Ave	2.180	2.294	0.2000	52.6	50.0	5.2	20.0
1,1,1-Trichloroethane	Ave	1.658	1.872	0.1000	56.5	50.0	12.9	20.0
Cyclohexane	Ave	2.168	2.929	0.1000	67.5	50.0	35.1*	20.0
Carbon tetrachloride	Ave	1.428	1.636	0.1000	57.3	50.0	14.5	20.0
1,1-Dichloropropene	Ave	1.383	1.659		60.0	50.0	19.9	20.0
Benzene	Ave	4.371	4.879	0.5000	55.8	50.0	11.6	20.0
Isobutyl alcohol	Ave	0.0869	0.1108		1590	1250	~~27.4~~	50.0
1,2-Dichloroethane	Ave	1.917	1.965	0.1000	51.3	50.0	2.5	20.0
n-Heptane	Ave	1.767	2.479		70.1	50.0	~~40.3~~*	20.0
Trichloroethene	Ave	1.124	1.277	0.2000	56.8	50.0	13.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690420/4 Calibration Date: 11/05/2023 08:42

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12093.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.801	2.198	0.1000	61.0	50.0	22.0*	20.0
1,2-Dichloropropane	Ave	1.264	1.408	0.1000	55.7	50.0	11.3	20.0
Dibromomethane	Ave	0.7896	0.8131	0.1000	51.5	50.0	3.0	20.0
1,4-Dioxane	Ave	0.0071	0.0075		1050	1000	4.6	50.0
Bromodichloromethane	Ave	1.553	1.666	0.2000	53.6	50.0	7.3	20.0
2-Chloroethyl vinyl ether	Ave	0.7992	0.8464		53.0	50.0	5.9	20.0
cis-1,3-Dichloropropene	Ave	1.823	1.981	0.2000	54.3	50.0	8.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7072	0.7725	0.1000	273	250	9.2	20.0
Toluene	Ave	1.179	1.189	0.4000	50.4	50.0	0.8	20.0
trans-1,3-Dichloropropene	Ave	0.7162	0.6973	0.1000	48.7	50.0	-2.6	20.0
Ethyl methacrylate	Ave	0.6577	0.6314		48.0	50.0	-4.0	20.0
1,1,2-Trichloroethane	Ave	0.3856	0.3604	0.1000	46.7	50.0	-6.5	20.0
Tetrachloroethene	Ave	0.4851	0.4721	0.2000	48.7	50.0	-2.7	20.0
1,3-Dichloropropane	Ave	0.7715	0.7437		48.2	50.0	-3.6	20.0
2-Hexanone	Ave	0.4689	0.5253	0.1000	280	250	12.0	20.0
Dibromochloromethane	Ave	0.5290	0.4833	0.1000	45.7	50.0	-8.6	20.0
1,2-Dibromoethane	Ave	0.4810	0.4506		46.8	50.0	-6.3	20.0
Chlorobenzene	Ave	1.414	1.363	0.5000	48.2	50.0	-3.6	20.0
Ethylbenzene	Ave	2.224	2.283	0.1000	51.3	50.0	2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5366	0.5055		47.1	50.0	-5.8	20.0
m,p-Xylene	Ave	0.8856	0.9050	0.1000	51.1	50.0	2.2	20.0
o-Xylene	Ave	0.9555	0.9321	0.3000	48.8	50.0	-2.5	20.0
Styrene	Ave	1.526	1.493	0.3000	48.9	50.0	-2.2	20.0
Bromoform	Ave	0.3516	0.3153	0.1000	44.8	50.0	-10.3	50.0
Isopropylbenzene	Ave	2.042	2.238	0.1000	54.8	50.0	9.6	20.0
Bromobenzene	Ave	0.5860	0.5565		47.5	50.0	-5.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.6236	0.3000	49.3	50.0	-1.4	20.0
N-Propylbenzene	Ave	2.443	2.710		55.5	50.0	10.9	20.0
1,2,3-Trichloropropane	Ave	0.2016	0.1919		47.6	50.0	-4.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2170	0.2353		54.2	50.0	8.4	50.0
2-Chlorotoluene	Ave	0.5425	0.5560		51.2	50.0	2.5	20.0
1,3,5-Trimethylbenzene	Ave	1.861	1.981		53.2	50.0	6.4	20.0
4-Chlorotoluene	Ave	0.5493	0.5610		51.1	50.0	2.1	20.0
tert-Butylbenzene	Ave	0.3855	0.4160		54.0	50.0	7.9	20.0
1,2,4-Trimethylbenzene	Ave	1.996	2.083		52.2	50.0	4.4	20.0
sec-Butylbenzene	Ave	2.244	2.516		56.1	50.0	12.1	20.0
1,3-Dichlorobenzene	Ave	1.160	1.121	0.6000	48.3	50.0	-3.3	20.0
4-Isopropyltoluene	Ave	2.050	2.228		54.3	50.0	8.6	20.0
1,4-Dichlorobenzene	Ave	1.189	1.132	0.5000	47.6	50.0	-4.8	20.0
n-Butylbenzene	Ave	1.824	2.106		57.7	50.0	15.5	20.0
1,2-Dichlorobenzene	Ave	1.180	1.139	0.4000	48.3	50.0	-3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690856/6 Calibration Date: 11/07/2023 20:25

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12116.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.663	0.1000	66.8	50.0	33.5	50.0
Chloromethane	Ave	1.777	2.420	0.1000	68.1	50.0	36.2*	20.0
Vinyl chloride	Ave	1.400	1.804	0.1000	64.4	50.0	28.8*	20.0
Butadiene	Ave	1.507	2.028		67.3	50.0	~~34.6~~*	20.0
Bromomethane	Ave	0.9298	0.8921	0.1000	48.0	50.0	-4.1	50.0
Chloroethane	Ave	0.8947	1.053	0.1000	58.9	50.0	17.8	50.0
Trichlorofluoromethane	Ave	1.479	1.826	0.1000	61.7	50.0	23.5*	20.0
Dichlorofluoromethane	Ave	2.242	2.530		56.4	50.0	12.8	20.0
Ethyl ether	Ave	1.319	1.410		53.4	50.0	6.9	20.0
Acrolein	Ave	0.1266	0.1226		242	250	-3.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.309	0.1000	61.9	50.0	23.9*	20.0
1,1-Dichloroethene	Ave	0.9392	1.081	0.1000	57.5	50.0	15.1	20.0
Acetone	Ave	0.5469	0.6333	0.1000	289	250	15.8	50.0
Iodomethane	Ave	2.031	2.100		51.7	50.0	3.4	20.0
Carbon disulfide	Ave	3.330	3.895	0.1000	58.5	50.0	17.0	20.0
Allyl chloride	Ave	2.185	2.699		61.8	50.0	~~23.6~~*	20.0
Methyl acetate	Ave	1.271	1.505	0.1000	118	100	18.4	50.0
Methylene Chloride	Lin1		1.462	0.1000	55.4	50.0	10.7	20.0
2-Methyl-2-propanol	Ave	0.2296	0.2441		532	500	6.3	50.0
Methyl tert-butyl ether	Ave	3.993	4.215	0.1000	52.8	50.0	5.6	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.274	0.1000	56.0	50.0	12.0	20.0
Acrylonitrile	Ave	0.6430	0.7428		578	500	15.5	20.0
Hexane	Ave	1.869	2.327		62.2	50.0	~~24.5~~*	20.0
1,1-Dichloroethane	Ave	2.243	2.595	0.2000	57.9	50.0	15.7	20.0
Vinyl acetate	Ave	3.099	3.958		128	100	~~27.7~~*	20.0
2,2-Dichloropropane	Ave	1.367	1.479		54.1	50.0	8.3	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.473	0.1000	54.4	50.0	8.7	20.0
2-Butanone (MEK)	Ave	0.7898	0.9707	0.1000	307	250	22.9*	20.0
Chlorobromomethane	Ave	0.7377	0.7541		51.1	50.0	2.2	20.0
Tetrahydrofuran	Ave	0.5387	0.6422		119	100	19.2	20.0
Chloroform	Ave	2.180	2.355	0.2000	54.0	50.0	8.0	20.0
1,1,1-Trichloroethane	Ave	1.658	1.907	0.1000	57.5	50.0	15.0	20.0
Cyclohexane	Ave	2.168	2.883	0.1000	66.5	50.0	33.0*	20.0
Carbon tetrachloride	Ave	1.428	1.635	0.1000	57.2	50.0	14.5	20.0
1,1-Dichloropropene	Ave	1.383	1.667		60.3	50.0	~~20.6~~*	20.0
Benzene	Ave	4.371	5.052	0.5000	57.8	50.0	15.6	20.0
Isobutyl alcohol	Ave	0.0869	0.1082		1560	1250	~~24.5~~	50.0
1,2-Dichloroethane	Ave	1.917	2.061	0.1000	53.7	50.0	7.5	20.0
n-Heptane	Ave	1.767	2.551		72.2	50.0	~~44.3~~*	20.0
Trichloroethene	Ave	1.124	1.292	0.2000	57.5	50.0	15.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-690856/6 Calibration Date: 11/07/2023 20:25

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12116.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.801	2.248	0.1000	62.4	50.0	24.8*	20.0
1,2-Dichloropropane	Ave	1.264	1.463	0.1000	57.9	50.0	15.7	20.0
Dibromomethane	Ave	0.7896	0.8497	0.1000	53.8	50.0	7.6	20.0
1,4-Dioxane	Ave	0.0071	0.0070		976	1000	-2.4	50.0
Bromodichloromethane	Ave	1.553	1.757	0.2000	56.5	50.0	13.1	20.0
2-Chloroethyl vinyl ether	Ave	0.7992	0.9354		58.5	50.0	17.0	20.0
cis-1,3-Dichloropropene	Ave	1.823	2.149	0.2000	58.9	50.0	17.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7072	0.7737	0.1000	274	250	9.4	20.0
Toluene	Ave	1.179	1.188	0.4000	50.4	50.0	0.8	20.0
trans-1,3-Dichloropropene	Ave	0.7162	0.7440	0.1000	51.9	50.0	3.9	20.0
Ethyl methacrylate	Ave	0.6577	0.6575		50.0	50.0	-0.0	20.0
1,1,2-Trichloroethane	Ave	0.3856	0.3878	0.1000	50.3	50.0	0.6	20.0
Tetrachloroethene	Ave	0.4851	0.4749	0.2000	49.0	50.0	-2.1	20.0
1,3-Dichloropropane	Ave	0.7715	0.7828		50.7	50.0	1.5	20.0
2-Hexanone	Ave	0.4689	0.5306	0.1000	283	250	13.1	20.0
Dibromochloromethane	Ave	0.5290	0.5131	0.1000	48.5	50.0	-3.0	20.0
1,2-Dibromoethane	Ave	0.4810	0.4592		47.7	50.0	-4.5	20.0
Chlorobenzene	Ave	1.414	1.383	0.5000	48.9	50.0	-2.2	20.0
Ethylbenzene	Ave	2.224	2.277	0.1000	51.2	50.0	2.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5366	0.5137		47.9	50.0	-4.3	20.0
m,p-Xylene	Ave	0.8856	0.8920	0.1000	50.4	50.0	0.7	20.0
o-Xylene	Ave	0.9555	0.9334	0.3000	48.8	50.0	-2.3	20.0
Styrene	Ave	1.526	1.510	0.3000	49.5	50.0	-1.1	20.0
Bromoform	Ave	0.3516	0.3305	0.1000	47.0	50.0	-6.0	50.0
Isopropylbenzene	Ave	2.042	2.209	0.1000	54.1	50.0	8.1	20.0
Bromobenzene	Ave	0.5860	0.5702		48.7	50.0	-2.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.6457	0.3000	51.0	50.0	2.0	20.0
N-Propylbenzene	Ave	2.443	2.668		54.6	50.0	9.2	20.0
1,2,3-Trichloropropane	Ave	0.2016	0.1936		48.0	50.0	-4.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2170	0.2405		55.4	50.0	10.8	50.0
2-Chlorotoluene	Ave	0.5425	0.5463		50.4	50.0	0.7	20.0
1,3,5-Trimethylbenzene	Ave	1.861	1.954		52.5	50.0	5.0	20.0
4-Chlorotoluene	Ave	0.5493	0.5554		50.6	50.0	1.1	20.0
tert-Butylbenzene	Ave	0.3855	0.4131		53.6	50.0	7.2	20.0
1,2,4-Trimethylbenzene	Ave	1.996	2.023		50.7	50.0	1.3	20.0
sec-Butylbenzene	Ave	2.244	2.471		55.1	50.0	10.1	20.0
1,3-Dichlorobenzene	Ave	1.160	1.123	0.6000	48.4	50.0	-3.2	20.0
4-Isopropyltoluene	Ave	2.050	2.155		52.6	50.0	5.1	20.0
1,4-Dichlorobenzene	Ave	1.189	1.151	0.5000	48.4	50.0	-3.2	20.0
n-Butylbenzene	Ave	1.824	1.978		54.2	50.0	8.5	20.0
1,2-Dichlorobenzene	Ave	1.180	1.124	0.4000	47.7	50.0	-4.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-691055/4 Calibration Date: 11/08/2023 19:05

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12130.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.759	0.1000	70.6	50.0	41.3	50.0
Chloromethane	Ave	1.777	2.454	0.1000	69.0	50.0	38.1*	20.0
Vinyl chloride	Ave	1.400	1.901	0.1000	67.9	50.0	35.7*	20.0
Butadiene	Ave	1.507	2.179		72.3	50.0	~~44.6~~*	20.0
Bromomethane	Ave	0.9298	0.9399	0.1000	50.5	50.0	1.1	50.0
Chloroethane	Ave	0.8947	1.081	0.1000	60.4	50.0	20.9	50.0
Trichlorofluoromethane	Ave	1.479	1.927	0.1000	65.1	50.0	30.3*	20.0
Dichlorofluoromethane	Ave	2.242	2.615		58.3	50.0	16.6	20.0
Ethyl ether	Ave	1.319	1.275		48.3	50.0	-3.4	20.0
Acrolein	Ave	0.1266	0.1074		212	250	-15.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.332	0.1000	63.0	50.0	26.0*	20.0
1,1-Dichloroethene	Ave	0.9392	1.086	0.1000	57.8	50.0	15.6	20.0
Acetone	Ave	0.5469	0.5630	0.1000	257	250	2.9	50.0
Iodomethane	Ave	2.031	2.003		49.3	50.0	-1.4	20.0
Carbon disulfide	Ave	3.330	3.851	0.1000	57.8	50.0	15.6	20.0
Allyl chloride	Ave	2.185	2.588		59.2	50.0	18.5	20.0
Methyl acetate	Ave	1.271	1.325	0.1000	104	100	4.2	50.0
Methylene Chloride	Lin1		1.433	0.1000	54.2	50.0	8.5	20.0
2-Methyl-2-propanol	Ave	0.2296	0.2143		467	500	-6.7	50.0
Methyl tert-butyl ether	Ave	3.993	3.743	0.1000	46.9	50.0	-6.3	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.236	0.1000	54.3	50.0	8.6	20.0
Acrylonitrile	Ave	0.6430	0.6579		512	500	2.3	20.0
Hexane	Ave	1.869	2.315		61.9	50.0	~~23.8~~*	20.0
1,1-Dichloroethane	Ave	2.243	2.497	0.2000	55.7	50.0	11.3	20.0
Vinyl acetate	Ave	3.099	3.447		111	100	11.3	20.0
2,2-Dichloropropane	Ave	1.367	1.488		54.4	50.0	8.9	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.404	0.1000	51.8	50.0	3.6	20.0
2-Butanone (MEK)	Ave	0.7898	0.8305	0.1000	263	250	5.2	20.0
Chlorobromomethane	Ave	0.7377	0.6978		47.3	50.0	-5.4	20.0
Tetrahydrofuran	Ave	0.5387	0.5628		104	100	4.5	20.0
Chloroform	Ave	2.180	2.224	0.2000	51.0	50.0	2.0	20.0
1,1,1-Trichloroethane	Ave	1.658	1.866	0.1000	56.3	50.0	12.6	20.0
Cyclohexane	Ave	2.168	2.915	0.1000	67.2	50.0	34.4*	20.0
Carbon tetrachloride	Ave	1.428	1.614	0.1000	56.5	50.0	13.0	20.0
1,1-Dichloropropene	Ave	1.383	1.670		60.4	50.0	~~20.7~~*	20.0
Benzene	Ave	4.371	4.836	0.5000	55.3	50.0	10.6	20.0
Isobutyl alcohol	Ave	0.0869	0.0905		1300	1250	4.1	50.0
1,2-Dichloroethane	Ave	1.917	1.864	0.1000	48.6	50.0	-2.7	20.0
n-Heptane	Ave	1.767	2.551		72.2	50.0	~~44.3~~*	20.0
Trichloroethene	Ave	1.124	1.245	0.2000	55.4	50.0	10.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-691055/4 Calibration Date: 11/08/2023 19:05

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12130.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.801	2.239	0.1000	62.2	50.0	24.4*	20.0
1,2-Dichloropropane	Ave	1.264	1.372	0.1000	54.3	50.0	8.5	20.0
Dibromomethane	Ave	0.7896	0.7666	0.1000	48.5	50.0	-2.9	20.0
1,4-Dioxane	Ave	0.0071	0.0064		900	1000	-10.0	50.0
Bromodichloromethane	Ave	1.553	1.583	0.2000	50.9	50.0	1.9	20.0
2-Chloroethyl vinyl ether	Ave	0.7992	0.8377		52.4	50.0	4.8	20.0
cis-1,3-Dichloropropene	Ave	1.823	1.947	0.2000	53.4	50.0	6.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7072	0.6899	0.1000	244	250	-2.4	20.0
Toluene	Ave	1.179	1.170	0.4000	49.6	50.0	-0.8	20.0
trans-1,3-Dichloropropene	Ave	0.7162	0.6671	0.1000	46.6	50.0	-6.9	20.0
Ethyl methacrylate	Ave	0.6577	0.5796		44.1	50.0	-11.9	20.0
1,1,2-Trichloroethane	Ave	0.3856	0.3442	0.1000	44.6	50.0	-10.7	20.0
Tetrachloroethene	Ave	0.4851	0.4796	0.2000	49.4	50.0	-1.1	20.0
1,3-Dichloropropane	Ave	0.7715	0.7074		45.8	50.0	-8.3	20.0
2-Hexanone	Ave	0.4689	0.4700	0.1000	251	250	0.2	20.0
Dibromochloromethane	Ave	0.5290	0.4610	0.1000	43.6	50.0	-12.8	20.0
1,2-Dibromoethane	Ave	0.4810	0.4240		44.1	50.0	-11.8	20.0
Chlorobenzene	Ave	1.414	1.331	0.5000	47.1	50.0	-5.9	20.0
Ethylbenzene	Ave	2.224	2.249	0.1000	50.6	50.0	1.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5366	0.4835		45.1	50.0	-9.9	20.0
m,p-Xylene	Ave	0.8856	0.8861	0.1000	50.0	50.0	0.0	20.0
o-Xylene	Ave	0.9555	0.8985	0.3000	47.0	50.0	-6.0	20.0
Styrene	Ave	1.526	1.447	0.3000	47.4	50.0	-5.2	20.0
Bromoform	Ave	0.3516	0.2872	0.1000	40.8	50.0	-18.3	50.0
Isopropylbenzene	Ave	2.042	2.215	0.1000	54.2	50.0	8.5	20.0
Bromobenzene	Ave	0.5860	0.5374		45.9	50.0	-8.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.5768	0.3000	45.6	50.0	-8.8	20.0
N-Propylbenzene	Ave	2.443	2.653		54.3	50.0	8.6	20.0
1,2,3-Trichloropropane	Ave	0.2016	0.1801		44.7	50.0	-10.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2170	0.2256		52.0	50.0	4.0	50.0
2-Chlorotoluene	Ave	0.5425	0.5382		49.6	50.0	-0.8	20.0
1,3,5-Trimethylbenzene	Ave	1.861	1.908		51.3	50.0	2.5	20.0
4-Chlorotoluene	Ave	0.5493	0.5451		49.6	50.0	-0.8	20.0
tert-Butylbenzene	Ave	0.3855	0.4132		53.6	50.0	7.2	20.0
1,2,4-Trimethylbenzene	Ave	1.996	1.991		49.9	50.0	-0.3	20.0
sec-Butylbenzene	Ave	2.244	2.474		55.1	50.0	10.2	20.0
1,3-Dichlorobenzene	Ave	1.160	1.065	0.6000	45.9	50.0	-8.1	20.0
4-Isopropyltoluene	Ave	2.050	2.163		52.8	50.0	5.5	20.0
1,4-Dichlorobenzene	Ave	1.189	1.095	0.5000	46.1	50.0	-7.8	20.0
n-Butylbenzene	Ave	1.824	2.006		55.0	50.0	9.9	20.0
1,2-Dichlorobenzene	Ave	1.180	1.061	0.4000	45.0	50.0	-10.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-691625/4 Calibration Date: 11/13/2023 09:44

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12167.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.461	0.1000	58.7	50.0	17.3	50.0
Chloromethane	Ave	1.777	1.986	0.1000	55.9	50.0	11.8	20.0
Vinyl chloride	Ave	1.400	1.473	0.1000	52.6	50.0	5.2	20.0
Butadiene	Ave	1.507	1.659		55.0	50.0	10.1	20.0
Bromomethane	Ave	0.9298	0.7069	0.1000	38.0	50.0	-24.0	50.0
Chloroethane	Ave	0.8947	0.8151	0.1000	45.6	50.0	-8.9	50.0
Trichlorofluoromethane	Ave	1.479	1.417	0.1000	47.9	50.0	-4.2	20.0
Dichlorofluoromethane	Ave	2.242	2.004		44.7	50.0	-10.6	20.0
Ethyl ether	Ave	1.319	1.147		43.5	50.0	-13.1	20.0
Acrolein	Ave	0.1266	0.0837		165	250	~~-33.9~~	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.160	0.1000	54.9	50.0	9.7	20.0
1,1-Dichloroethene	Ave	0.9392	0.9743	0.1000	51.9	50.0	3.7	20.0
Acetone	Ave	0.5469	0.5024	0.1000	230	250	-8.1	50.0
Iodomethane	Ave	2.031	1.801		44.4	50.0	-11.3	20.0
Carbon disulfide	Ave	3.330	3.453	0.1000	51.8	50.0	3.7	20.0
Allyl chloride	Ave	2.185	2.379		54.4	50.0	8.9	20.0
Methyl acetate	Ave	1.271	1.236	0.1000	97.2	100	-2.8	50.0
Methylene Chloride	Lin1		1.227	0.1000	46.2	50.0	-7.6	20.0
2-Methyl-2-propanol	Ave	0.2296	0.1884		410	500	-18.0	50.0
Methyl tert-butyl ether	Ave	3.993	3.416	0.1000	42.8	50.0	-14.4	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.092	0.1000	48.0	50.0	-4.0	20.0
Acrylonitrile	Ave	0.6430	0.6016		468	500	-6.5	20.0
Hexane	Ave	1.869	2.128		56.9	50.0	13.8	20.0
1,1-Dichloroethane	Ave	2.243	2.196	0.2000	49.0	50.0	-2.1	20.0
Vinyl acetate	Ave	3.099	3.137		101	100	1.2	20.0
2,2-Dichloropropane	Ave	1.367	1.321		48.3	50.0	-3.4	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.210	0.1000	44.7	50.0	-10.7	20.0
2-Butanone (MEK)	Ave	0.7898	0.7777	0.1000	246	250	-1.5	20.0
Chlorobromomethane	Ave	0.7377	0.6216		42.1	50.0	-15.7	20.0
Tetrahydrofuran	Ave	0.5387	0.5178		96.1	100	-3.9	20.0
Chloroform	Ave	2.180	1.944	0.2000	44.6	50.0	-10.8	20.0
1,1,1-Trichloroethane	Ave	1.658	1.649	0.1000	49.7	50.0	-0.5	20.0
Cyclohexane	Ave	2.168	2.579	0.1000	59.5	50.0	18.9	20.0
Carbon tetrachloride	Ave	1.428	1.420	0.1000	49.7	50.0	-0.6	20.0
1,1-Dichloropropene	Ave	1.383	1.457		52.7	50.0	5.4	20.0
Benzene	Ave	4.371	4.249	0.5000	48.6	50.0	-2.8	20.0
Isobutyl alcohol	Ave	0.0869	0.0817		1180	1250	-6.0	50.0
1,2-Dichloroethane	Ave	1.917	1.638	0.1000	42.7	50.0	-14.6	20.0
n-Heptane	Ave	1.767	2.319		65.6	50.0	~~31.2~~*	20.0
Trichloroethene	Ave	1.124	1.095	0.2000	48.7	50.0	-2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Lab Sample ID: CCVIS 480-691625/4 Calibration Date: 11/13/2023 09:44

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12167.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.801	2.004	0.1000	55.7	50.0	11.3	20.0
1,2-Dichloropropane	Ave	1.264	1.215	0.1000	48.1	50.0	-3.9	20.0
Dibromomethane	Ave	0.7896	0.6744	0.1000	42.7	50.0	-14.6	20.0
1,4-Dioxane	Ave	0.0071	~~0.0071~~		994	1000	-0.6	50.0
Bromodichloromethane	Ave	1.553	1.420	0.2000	45.7	50.0	-8.6	20.0
2-Chloroethyl vinyl ether	Ave	0.7992	0.7066		44.2	50.0	-11.6	20.0
cis-1,3-Dichloropropene	Ave	1.823	1.694	0.2000	46.5	50.0	-7.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7072	0.7934	0.1000	280	250	12.2	20.0
Toluene	Ave	1.179	1.266	0.4000	53.7	50.0	7.4	20.0
trans-1,3-Dichloropropene	Ave	0.7162	0.7371	0.1000	51.5	50.0	2.9	20.0
Ethyl methacrylate	Ave	0.6577	0.6592		50.1	50.0	0.2	20.0
1,1,2-Trichloroethane	Ave	0.3856	0.3911	0.1000	50.7	50.0	1.4	20.0
Tetrachloroethene	Ave	0.4851	0.5106	0.2000	52.6	50.0	5.2	20.0
1,3-Dichloropropane	Ave	0.7715	0.7770		50.4	50.0	0.7	20.0
2-Hexanone	Ave	0.4689	0.5355	0.1000	285	250	14.2	20.0
Dibromochloromethane	Ave	0.5290	0.5060	0.1000	47.8	50.0	-4.3	20.0
1,2-Dibromoethane	Ave	0.4810	0.4600		47.8	50.0	-4.4	20.0
Chlorobenzene	Ave	1.414	1.426	0.5000	50.4	50.0	0.9	20.0
Ethylbenzene	Ave	2.224	2.425	0.1000	54.5	50.0	9.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5366	0.5340		49.8	50.0	-0.5	20.0
m,p-Xylene	Ave	0.8856	0.9479	0.1000	53.5	50.0	7.0	20.0
o-Xylene	Ave	0.9555	0.9820	0.3000	51.4	50.0	2.8	20.0
Styrene	Ave	1.526	1.561	0.3000	51.2	50.0	2.3	20.0
Bromoform	Ave	0.3516	0.3193	0.1000	45.4	50.0	-9.2	50.0
Isopropylbenzene	Ave	2.042	2.529	0.1000	61.9	50.0	23.8*	20.0
Bromobenzene	Ave	0.5860	0.6128		52.3	50.0	4.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.6867	0.3000	54.3	50.0	8.5	20.0
N-Propylbenzene	Ave	2.443	3.033		62.1	50.0	~~24.1~~*	20.0
1,2,3-Trichloropropane	Ave	0.2016	0.2094		51.9	50.0	3.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2170	0.2687		61.9	50.0	~~23.8~~	50.0
2-Chlorotoluene	Ave	0.5425	0.6137		56.6	50.0	13.1	20.0
1,3,5-Trimethylbenzene	Ave	1.861	2.190		58.8	50.0	17.7	20.0
4-Chlorotoluene	Ave	0.5493	0.6238		56.8	50.0	13.6	20.0
tert-Butylbenzene	Ave	0.3855	0.4695		60.9	50.0	~~21.8~~*	20.0
1,2,4-Trimethylbenzene	Ave	1.996	2.280		57.1	50.0	14.2	20.0
sec-Butylbenzene	Ave	2.244	2.812		62.6	50.0	~~25.3~~*	20.0
1,3-Dichlorobenzene	Ave	1.160	1.227	0.6000	52.9	50.0	5.8	20.0
4-Isopropyltoluene	Ave	2.050	2.462		60.0	50.0	~~20.1~~*	20.0
1,4-Dichlorobenzene	Ave	1.189	1.234	0.5000	51.9	50.0	3.8	20.0
n-Butylbenzene	Ave	1.824	2.275		62.4	50.0	~~24.7~~*	20.0
1,2-Dichlorobenzene	Ave	1.180	1.230	0.4000	52.1	50.0	4.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214912-1

SDG No.:

Lab Sample ID: CCVIS 480-693253/4 Calibration Date: 11/27/2023 11:08

Instrument ID: HP5977L Calib Start Date: 11/16/2023 16:10

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 11/16/2023 19:02

Lab File ID: L3022.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.637	1.921	0.1000	29.3	25.0	17.4	50.0
Chloromethane	Ave	1.352	1.466	0.1000	27.1	25.0	8.5	20.0
Vinyl chloride	Ave	1.308	1.595	0.1000	30.5	25.0	22.0*	20.0
Butadiene	Ave	1.328	1.620		30.5	25.0	~~22.0~~*	20.0
Bromomethane	Ave	1.133	1.204	0.1000	26.5	25.0	6.2	50.0
Chloroethane	Ave	1.069	1.141	0.1000	26.7	25.0	6.8	50.0
Dichlorofluoromethane	Ave	2.947	2.965		25.2	25.0	0.6	20.0
Trichlorofluoromethane	Ave	2.266	2.419	0.1000	26.7	25.0	6.8	20.0
Ethyl ether	Ave	1.198	1.068		22.3	25.0	-10.8	20.0
Acrolein	Ave	0.1014	0.0984		121	125	-2.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.188	1.299	0.1000	27.3	25.0	9.4	20.0
1,1-Dichloroethene	Ave	1.110	1.225	0.1000	27.6	25.0	10.4	20.0
Acetone	Ave	0.7881	0.7073	0.1000	112	125	-10.2	50.0
Iodomethane	Ave	2.015	2.161		26.8	25.0	7.2	20.0
Carbon disulfide	Ave	3.553	3.900	0.1000	27.4	25.0	9.8	20.0
Allyl chloride	Ave	1.717	1.786		26.0	25.0	4.0	20.0
Methyl acetate	Ave	1.668	1.445	0.1000	43.3	50.0	-13.3	50.0
Methylene Chloride	Lin1		1.399	0.1000	25.0	25.0	-0.0	20.0
2-Methyl-2-propanol	Ave	0.3143	0.2700		215	250	-14.1	50.0
Methyl tert-butyl ether	Ave	4.728	4.299	0.1000	22.7	25.0	-9.1	20.0
trans-1,2-Dichloroethene	Ave	1.290	1.411	0.1000	27.3	25.0	9.4	20.0
Acrylonitrile	Ave	0.8134	0.7694		237	250	-5.4	20.0
Hexane	Ave	1.839	1.898		25.8	25.0	3.2	20.0
1,1-Dichloroethane	Ave	2.288	2.256	0.2000	24.7	25.0	-1.4	20.0
Vinyl acetate	Ave	3.101	2.651		42.7	50.0	-14.5	20.0
2,2-Dichloropropane	Ave	1.362	1.224		22.5	25.0	-10.1	20.0
cis-1,2-Dichloroethene	Ave	1.494	1.489	0.1000	24.9	25.0	-0.3	20.0
2-Butanone (MEK)	Ave	1.193	1.052	0.1000	110	125	-11.8	20.0
Chlorobromomethane	Ave	0.7556	0.7546		25.0	25.0	-0.1	20.0
Tetrahydrofuran	Ave	0.7611	0.6926		45.5	50.0	-9.0	20.0
Chloroform	Ave	2.451	2.406	0.2000	24.5	25.0	-1.8	20.0
1,1,1-Trichloroethane	Ave	1.935	1.941	0.1000	25.1	25.0	0.3	20.0
Cyclohexane	Ave	2.116	2.148	0.1000	25.4	25.0	1.5	20.0
Carbon tetrachloride	Ave	1.660	1.654	0.1000	24.9	25.0	-0.4	20.0
1,1-Dichloropropene	Ave	1.798	1.849		25.7	25.0	2.8	20.0
Isobutyl alcohol	Ave	0.1257	0.1071		533	625	-14.8	50.0
Benzene	Ave	5.208	5.231	0.5000	25.1	25.0	0.4	20.0
1,2-Dichloroethane	Ave	2.090	1.949	0.1000	23.3	25.0	-6.7	20.0
n-Heptane	Ave	1.787	1.770		24.8	25.0	-0.9	20.0
Trichloroethene	Ave	1.361	1.416	0.2000	26.0	25.0	4.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-214912-1

SDG No.:

Lab Sample ID: CCVIS 480-692327/5 Calibration Date: 11/16/2023 19:54

Instrument ID: HP5977M Calib Start Date: 10/12/2023 16:35

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/12/2023 19:01

Lab File ID: M12240.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.245	1.406	0.1000	56.5	50.0	12.9	50.0
Chloromethane	Ave	1.777	1.924	0.1000	54.1	50.0	8.2	20.0
Vinyl chloride	Ave	1.400	1.440	0.1000	51.4	50.0	2.8	20.0
Butadiene	Ave	1.507	1.574		52.2	50.0	4.4	20.0
Bromomethane	Ave	0.9298	0.7660	0.1000	41.2	50.0	-17.6	50.0
Chloroethane	Ave	0.8947	0.7916	0.1000	44.2	50.0	-11.5	50.0
Trichlorofluoromethane	Ave	1.479	1.448	0.1000	49.0	50.0	-2.1	20.0
Dichlorofluoromethane	Ave	2.242	2.033		45.3	50.0	-9.3	20.0
Ethyl ether	Ave	1.319	1.042		39.5	50.0	-21.0*	20.0
Acrolein	Ave	0.1266	0.0637		126	250	-49.7	50.0
1,1-Dichloroethene	Ave	0.9392	0.8780	0.1000	46.7	50.0	-6.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.152	0.1000	54.5	50.0	9.0	20.0
Acetone	Ave	0.5469	0.3125	0.1000	143	250	-42.9	50.0
Iodomethane	Ave	2.031	1.676		41.3	50.0	-17.5	20.0
Carbon disulfide	Ave	3.330	3.165	0.1000	47.5	50.0	-5.0	20.0
Allyl chloride	Ave	2.185	2.060		47.2	50.0	-5.7	20.0
Methyl acetate	Ave	1.271	0.8789	0.1000	69.1	100	-30.9	50.0
Methylene Chloride	Lin1		1.095	0.1000	41.1	50.0	-17.8	20.0
2-Methyl-2-propanol	Ave	0.2296	0.1043		227	500	-54.6*	50.0
Methyl tert-butyl ether	Ave	3.993	3.049	0.1000	38.2	50.0	-23.6*	20.0
trans-1,2-Dichloroethene	Ave	1.137	0.9891	0.1000	43.5	50.0	-13.0	20.0
Acrylonitrile	Ave	0.6430	0.4452		346	500	-30.8*	20.0
Hexane	Ave	1.869	1.877		50.2	50.0	0.4	20.0
1,1-Dichloroethane	Ave	2.243	1.967	0.2000	43.8	50.0	-12.3	20.0
Vinyl acetate	Ave	3.099	2.671		86.2	100	-13.8	20.0
2,2-Dichloropropane	Ave	1.367	1.179		43.1	50.0	-13.7	20.0
cis-1,2-Dichloroethene	Ave	1.355	1.094	0.1000	40.4	50.0	-19.3	20.0
2-Butanone (MEK)	Ave	0.7898	0.5498	0.1000	174	250	-30.4*	20.0
Chlorobromomethane	Ave	0.7377	0.5479		37.1	50.0	-25.7*	20.0
Tetrahydrofuran	Ave	0.5387	0.3700		68.7	100	-31.3*	20.0
Chloroform	Ave	2.180	1.758	0.2000	40.3	50.0	-19.3	20.0
1,1,1-Trichloroethane	Ave	1.658	1.500	0.1000	45.2	50.0	-9.5	20.0
Cyclohexane	Ave	2.168	2.361	0.1000	54.4	50.0	8.9	20.0
Carbon tetrachloride	Ave	1.428	1.280	0.1000	44.8	50.0	-10.3	20.0
1,1-Dichloropropene	Ave	1.383	1.305		47.2	50.0	-5.6	20.0
Benzene	Ave	4.371	3.823	0.5000	43.7	50.0	-12.5	20.0
Isobutyl alcohol	Ave	0.0869	0.0498		717	1250	-42.7	50.0
1,2-Dichloroethane	Ave	1.917	1.477	0.1000	38.5	50.0	-22.9*	20.0
n-Heptane	Ave	1.767	2.132		60.3	50.0	20.6*	20.0
Trichloroethene	Ave	1.124	1.005	0.2000	44.7	50.0	-10.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh | Job No.: 480-213859-1

SDG No.:

Lab Sample ID: CCVIS 180-449998/3 | Calibration Date: 10/24/2023 07:29

Instrument ID: CH732 | Calib Start Date: 08/23/2023 08:07

GC Column: Rxi-5SilMS ID: 0.32(mm) | Calib End Date: 08/23/2023 10:39

Lab File ID: D10240003.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3771	0.3005	0.0100	3.99	5.00	-20.3	40.0
N-Nitrosodimethylamine	Ave	0.5212	0.4465	0.0100	4.28	5.00	-14.3	20.0
Pyridine	Ave	0.9110	0.7849	0.0100	8.62	10.0	-13.8	20.0
Methyl methanesulfonate	Ave	0.4812	0.3517	0.0100	3.65	5.00	-26.9	40.0
Benzaldehyde	Ave	0.9885	1.189	0.0100	6.01	5.00	20.3	40.0
Aniline	Ave	1.882	1.693	0.0100	4.50	5.00	-10.0	20.0
Phenol	Ave	1.542	1.470	0.8000	4.77	5.00	-4.7	20.0
Bis(2-chloroethyl)ether	Ave	0.995	0.8306	0.7000	4.17	5.00	-16.5	20.0
2-Chlorophenol	Ave	1.205	1.183	0.8000	4.91	5.00	-1.8	20.0
n-Decane	Ave	0.9793	0.8334		4.25	5.00	-14.9	20.0
1,3-Dichlorobenzene	Ave	1.531	1.431	0.0100	4.67	5.00	-6.5	20.0
1,4-Dichlorobenzene	Ave	1.513	1.434	0.0100	4.74	5.00	-5.2	20.0
Benzyl alcohol	Ave	0.7511	0.6169	0.0100	4.11	5.00	-17.9	20.0
1,2-Dichlorobenzene	Ave	1.441	1.391	0.0100	4.83	5.00	-3.5	20.0
Indene	Ave	2.261	2.092	0.0100	4.63	5.00	-7.5	20.0
2-Methylphenol	Ave	1.085	1.004	0.7000	4.63	5.00	-7.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.243	1.094	0.0100	4.40	5.00	-11.9	20.0
N-Nitrosopyrrolidine	Ave	0.4681	0.4724	0.0100	5.05	5.00	0.9	20.0
Acetophenone	Ave	1.608	1.480	0.0100	4.60	5.00	-8.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.7497	0.7227	0.5000	4.82	5.00	-3.6	20.0
Methylphenol, 3 & 4	Ave	1.115	1.025	0.6000	4.60	5.00	-8.0	20.0
Hexachloroethane	Ave	0.5680	0.5155	0.3000	4.54	5.00	-9.2	20.0
Nitrobenzene	Ave	0.3103	0.3014	0.2000	4.86	5.00	-2.9	20.0
Isophorone	Ave	0.5811	0.5763	0.4000	4.96	5.00	-0.8	20.0
2-Nitrophenol	Ave	0.1796	0.1919	0.1000	5.34	5.00	6.9	20.0
2,4-Dimethylphenol	Ave	0.3310	0.3349	0.2000	5.06	5.00	1.2	20.0
Benzoic acid	Ave	0.1804	0.2082	0.0100	5.77	5.00	15.4	40.0
Bis(2-chloroethoxy)methane	Ave	0.3592	0.3333	0.3000	4.64	5.00	-7.2	20.0
2,4-Dichlorophenol	Ave	0.3192	0.3396	0.2000	5.32	5.00	6.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3842	0.4085	0.0100	5.32	5.00	6.3	20.0
Naphthalene	Ave	0.9931	0.998	0.7000	5.03	5.00	0.5	20.0
4-Chloroaniline	Ave	0.4139	0.4339	0.0100	5.24	5.00	4.8	20.0
2,6-Dichlorophenol	Ave	0.3015	0.3262	0.0100	5.41	5.00	8.2	20.0
Hexachlorobutadiene	Ave	0.2243	0.2535	0.0100	5.65	5.00	13.0	20.0
Caprolactam	Ave	0.0806	0.0844	0.0100	5.23	5.00	4.6	20.0
4-Chloro-3-methylphenol	Ave	0.3052	0.3211	0.2000	5.26	5.00	5.2	20.0
2-Methylnaphthalene	Ave	0.7239	0.7347	0.4000	5.07	5.00	1.5	20.0
1-Methylnaphthalene	Ave	0.6762	0.7266	0.0100	5.37	5.00	7.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6076	0.6783	0.0100	5.58	5.00	11.6	20.0
Hexachlorocyclopentadiene	Ave	0.4446	0.4546	0.0500	5.11	5.00	2.2	20.0
2,4,6-Trichlorophenol	Ave	0.3924	0.4282	0.2000	5.46	5.00	9.1	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-214367-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-691054/2-A

Matrix: Solid | Lab File ID: M12134.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/08/2023 20:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) Y pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 691055 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	5.0	U	5.0	0.64
98-82-8	Isopropylbenzene	5.0	U	5.0	0.75
79-20-9	Methyl acetate	25	U	25	3.0
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.49
108-87-2	Methylcyclohexane	5.0	U	5.0	0.76
75-09-2	Methylene Chloride	4.15	J	5.0	2.3
100-42-5	Styrene	5.0	U	5.0	0.25
127-18-4	Tetrachloroethene	5.0	U	5.0	0.67
108-88-3	Toluene	5.0	U	5.0	0.38
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	2.2
79-01-6	Trichloroethene	5.0	U	5.0	1.1
75-69-4	Trichlorofluoromethane	5.0	U	5.0	0.47
75-01-4	Vinyl chloride	5.0	U	5.0	0.61
1330-20-7	Xylenes, Total	10	U	10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		64-126
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126
1868-53-7	Dibromofluoromethane (Surr)	95		60-140

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-213859-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-688376/1-A

Matrix: Water | Lab File ID: Z0027883.D

Analysis Method: 8270D SIM ID | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/20/2023 14:07

Sample wt/vol: 250(mL) | Date Analyzed: 10/23/2023 15:56

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 688576 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.110	J	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	44		15-110

Client Sample ID: QNSB-BMW-102 (76-77)
Lab Sample ID: 480-214221-2
Date Collected: 10/24/23 09:45
Matrix: Solid
Date Received: 10/26/23 11:00
Percent Solids: 87.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	54	T H H3 J	ug/Kg	☼	9.59	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	20	T H H3 J	ug/Kg	☼	10.56	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	31	T H H3 J	ug/Kg	☼	11.05	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	17	T H H3 J	ug/Kg	☼	11.10	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	11	T H H3 J	ug/Kg	☼	11.17	N/A	10/26/23 16:00	11/01/23 21:49	1
Unknown	13	T H H3 J	ug/Kg	☼	11.35	N/A	10/26/23 16:00	11/01/23 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	260	*3 S1+	71 - 125	10/26/23 16:00	11/01/23 21:49	1
1,2-Dichloroethane-d4 (Surr)	293	*3 S1+	64 - 126	10/26/23 16:00	11/01/23 21:49	1
4-Bromofluorobenzene (Surr)	63	*3 S1-	72 - 126	10/26/23 16:00	11/01/23 21:49	1
Dibromofluoromethane (Surr)	497	*3 S1+	60 - 140	10/26/23 16:00	11/01/23 21:49	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	74	U	74	12	ug/Kg	☼	11/02/23 07:00	11/02/23 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	65		35 - 105	11/02/23 07:00	11/02/23 19:37	1
2-Fluorophenol (Surr)	58		32 - 105	11/02/23 07:00	11/02/23 19:37	1
2,4,6-Tribromophenol (Surr)	29		20 - 119	11/02/23 07:00	11/02/23 19:37	1
Nitrobenzene-d5 (Surr)	64		34 - 109	11/02/23 07:00	11/02/23 19:37	1
Phenol-d5 (Surr)	65		34 - 105	11/02/23 07:00	11/02/23 19:37	1
Terphenyl-d14 (Surr)	59		20 - 117	11/02/23 07:00	11/02/23 19:37	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.86	U	0.86	0.040	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoropentanoic acid (PFPeA)	0.43	U	0.43	0.023	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorohexanoic acid (PFHxA)	0.21	U	0.21	0.023	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.024	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.045	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.013	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.080	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.060	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorotetradecanoic acid (PFTeDA)	0.21	U	0.21	0.018	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.015	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoropentanesulfonic acid (PFPeS)	0.21	U	0.21	0.014	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.021	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.060	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorononanesulfonic acid (PFNS)	0.21	U	0.21	0.030	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorodecanesulfonic acid (PFDS)	0.21	U	0.21	0.021	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
Perfluorododecanesulfonic acid (PFDoS)	0.21	U	0.21	0.018	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
4:2 FTS	0.86	U	0.86	0.083	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1
6:2 FTS	0.86	U	0.86	0.52	ug/Kg	☼	11/09/23 09:07	11/13/23 18:12	1

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M11921.D

Lab ID: 480-213974-1 MS Client ID: QNSB-MW-104 64-66 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	34.2	3.4 U	35.1	103	77-121	
1,1,2,2-Tetrachloroethane	34.2	3.4 U	25.4	74	80-120	F1
1,1,2-Trichloroethane	34.2	3.4 U	27.0	79	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	34.2	3.4 U	38.5	113	60-140	
1,1-Dichloroethane	34.2	3.4 U	33.2	97	73-126	
1,1-Dichloroethene	34.2	3.4 U	32.6	95	59-125	
1,2,4-Trichlorobenzene	34.2	3.4 U	5.29	15	64-120	F1
1,2-Dibromo-3-Chloropropane	34.2	3.4 U	19.8	58	63-124	F1
1,2-Dichlorobenzene	34.2	3.4 U	20.2	59	75-120	F1
1,2-Dichloroethane	34.2	3.4 U	26.2	77	77-122	
1,2-Dichloropropane	34.2	3.4 U	33.3	97	75-124	
1,3-Dichlorobenzene	34.2	3.4 U	17.8	52	74-120	F1
1,4-Dichlorobenzene	34.2	3.4 U	16.0	47	73-120	F1
2-Butanone (MEK)	171	17 U	81.0	47	70-134	F1
2-Hexanone	171	17 U	97.0	57	59-130	F1
4-Methyl-2-pentanone (MIBK)	171	17 U	106	62	65-133	F1
Acetone	171	17 U	72.8	43	61-137	F1
Benzene	34.2	3.4 U	32.6	95	79-127	
Bromodichloromethane	34.2	3.4 U	31.8	93	80-122	
Bromoform	34.2	3.4 U	21.7	63	68-126	F1
Bromomethane	34.2	3.4 U	35.5	104	37-149	
Carbon disulfide	34.2	3.4 U	27.5	80	64-131	
Carbon tetrachloride	34.2	3.4 U	34.9	102	75-135	
Chlorobenzene	34.2	3.4 U	24.8	73	76-124	F1
Dibromochloromethane	34.2	3.4 U	26.3	77	76-125	
Chloroethane	34.2	3.4 U	36.8	108	69-135	
Chloroform	34.2	3.4 U	31.0	91	80-120	
Chloromethane	34.2	3.4 U	41.4	121	63-127	
cis-1,2-Dichloroethene	34.2	3.4 U	28.4	83	80-120	
cis-1,3-Dichloropropene	34.2	3.4 U	27.9	81	80-120	
Cyclohexane	34.2	3.4 U	38.0	111	65-120	
Dichlorodifluoromethane	34.2	3.4 U	42.8	125	57-142	
Ethylbenzene	34.2	3.4 U	27.2	79	80-120	F1
1,2-Dibromoethane	34.2	3.4 U	22.2	65	78-120	F1
Isopropylbenzene	34.2	3.4 U	33.8	99	72-120	
Methyl acetate	68.4	17 U	33.5	49	55-136	F1
Methyl tert-butyl ether	34.2	3.4 U	25.8	75	63-125	
Methylcyclohexane	34.2	3.4 U	33.2	97	60-140	
Methylene Chloride	34.2	3.4 U	30.1	88	61-127	
Styrene	34.2	3.4 U	21.3	62	80-120	F1
Tetrachloroethene	34.2	3.4 U	27.8	81	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M11921.D

Lab ID: 480-213974-1 MS Client ID: QNSB-MW-104 64-66 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Toluene	34.2	3.4 U	28.6	84	74-128	
trans-1,2-Dichloroethene	34.2	3.4 U	27.4	80	78-126	
trans-1,3-Dichloropropene	34.2	3.4 U	22.8	67	73-123	F1
Trichloroethene	34.2	3.4 U	29.9	88	77-129	
Trichlorofluoromethane	34.2	3.4 U	41.1	120	65-146	
Vinyl chloride	34.2	3.4 U	39.0	114	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M11922.D

Lab ID: 480-213974-1 MSD Client ID: QNSB-MW-104 64-66 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	36.3	36.4	100	4	30	77-121	
1,1,2,2-Tetrachloroethane	36.3	29.3	81	14	30	80-120	
1,1,2-Trichloroethane	36.3	27.8	77	3	30	78-122	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	36.3	39.0	107	1	30	60-140	
1,1-Dichloroethane	36.3	35.0	96	5	30	73-126	
1,1-Dichloroethene	36.3	32.3	89	1	30	59-125	
1,2,4-Trichlorobenzene	36.3	2.18 J	6	83	30	64-120	F1 F2
1,2-Dibromo-3-Chloropropane	36.3	22.2	61	11	30	63-124	F1
1,2-Dichlorobenzene	36.3	15.0	41	30	30	75-120	F1
1,2-Dichloroethane	36.3	27.4	76	5	30	77-122	F1
1,2-Dichloropropane	36.3	34.0	94	2	30	75-124	
1,3-Dichlorobenzene	36.3	11.1	31	46	30	74-120	F1 F2
1,4-Dichlorobenzene	36.3	10.3	28	44	30	73-120	F1 F2
2-Butanone (MEK)	181	111	61	32	30	70-134	F1 F2
2-Hexanone	181	100	55	3	30	59-130	F1
4-Methyl-2-pentanone (MIBK)	181	114	63	6	30	65-133	F1
Acetone	181	155	85	72	30	61-137	F2
Benzene	36.3	32.6	90	0	30	79-127	
Bromodichloromethane	36.3	32.3	89	2	30	80-122	
Bromoform	36.3	22.3	61	3	30	68-126	F1
Bromomethane	36.3	33.8	93	5	30	37-149	
Carbon disulfide	36.3	24.5	68	11	30	64-131	
Carbon tetrachloride	36.3	36.2	100	4	30	75-135	
Chlorobenzene	36.3	22.2	61	11	30	76-124	F1
Dibromochloromethane	36.3	27.6	76	5	30	76-125	
Chloroethane	36.3	37.8	104	3	30	69-135	
Chloroform	36.3	32.3	89	4	30	80-120	
Chloromethane	36.3	42.5	117	3	30	63-127	
cis-1,2-Dichloroethene	36.3	28.2	78	0	30	80-120	F1
cis-1,3-Dichloropropene	36.3	26.9	74	4	30	80-120	F1
Cyclohexane	36.3	37.7	104	1	30	65-120	
Dichlorodifluoromethane	36.3	43.9	121	3	30	57-142	
Ethylbenzene	36.3	24.9	69	9	30	80-120	F1
1,2-Dibromoethane	36.3	22.2	61	0	30	78-120	F1
Isopropylbenzene	36.3	34.6	95	2	30	72-120	
Methyl acetate	72.6	44.9	62	29	30	55-136	
Methyl tert-butyl ether	36.3	28.6	79	10	30	63-125	
Methylcyclohexane	36.3	31.3	86	6	30	60-140	
Methylene Chloride	36.3	32.2	89	7	30	61-127	
Styrene	36.3	16.9	46	23	30	80-120	F1
Tetrachloroethene	36.3	25.6	71	8	30	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M11922.D

Lab ID: 480-213974-1 MSD Client ID: QNSB-MW-104 64-66 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	36.3	28.0	77	2	30	74-128	
trans-1,2-Dichloroethene	36.3	25.4	70	8	30	78-126	F1
trans-1,3-Dichloropropene	36.3	21.4	59	6	30	73-123	F1
Trichloroethene	36.3	28.6	79	4	30	77-129	
Trichlorofluoromethane	36.3	41.7	115	2	30	65-146	
Vinyl chloride	36.3	38.8	107	0	30	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M12141.D

Lab ID: 480-214614-1 MS Client ID: QNSB-MW-103 (33-34') MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	43.0	3.9 U	42.8	99	77-121	H
1,1,2,2-Tetrachloroethane	43.0	3.9 U	34.0	79	80-120	H F1
1,1,2-Trichloroethane	43.0	3.9 U	35.6	83	78-122	H
1,1,2-Trichloro-1,2,2-trifluoroethane	43.0	3.9 U	47.5	111	60-140	H
1,1-Dichloroethane	43.0	3.9 U	41.5	97	73-126	H
1,1-Dichloroethene	43.0	3.9 U	42.9	100	59-125	H
1,2,4-Trichlorobenzene	43.0	3.9 U	33.7	78	64-120	H
1,2-Dibromo-3-Chloropropane	43.0	3.9 U	29.0	68	63-124	H
1,2-Dichlorobenzene	43.0	3.9 U	38.2	89	75-120	H
1,2-Dichloroethane	43.0	3.9 U	32.2	75	77-122	H F1
1,2-Dichloropropane	43.0	3.9 U	41.3	96	75-124	H
1,3-Dichlorobenzene	43.0	3.9 U	39.6	92	74-120	H
1,4-Dichlorobenzene	43.0	3.9 U	38.8	90	73-120	H
2-Butanone (MEK)	215	20 U	107	50	70-134	H F1
2-Hexanone	215	20 U	153	71	59-130	H
4-Methyl-2-pentanone (MIBK)	215	20 U	152	71	65-133	H
Acetone	215	6.7 J	90.9	39	61-137	H F1
Benzene	43.0	3.9 U	41.3	96	79-127	H
Bromodichloromethane	43.0	3.9 U	38.5	90	80-122	H
Bromoform	43.0	3.9 U	29.5	69	68-126	H
Bromomethane	43.0	3.9 U	44.7	104	37-149	H
Carbon disulfide	43.0	3.9 U	43.7	102	64-131	H
Carbon tetrachloride	43.0	3.9 U	43.0	100	75-135	H
Chlorobenzene	43.0	3.9 U	40.7	95	76-124	H
Dibromochloromethane	43.0	3.9 U	35.3	82	76-125	H
Chloroethane	43.0	3.9 U	47.7	111	69-135	H
Chloroform	43.0	0.28 J	38.0	88	80-120	H
Chloromethane	43.0	3.9 U	54.8	128	63-127	H F1
cis-1,2-Dichloroethene	43.0	3.9 U	37.9	88	80-120	H
cis-1,3-Dichloropropene	43.0	3.9 U	38.7	90	80-120	H
Cyclohexane	43.0	3.9 U	50.2	117	65-120	H
Dichlorodifluoromethane	43.0	3.9 U	54.2	126	57-142	H
Ethylbenzene	43.0	3.9 U	43.6	102	80-120	H
1,2-Dibromoethane	43.0	3.9 U	32.0	74	78-120	H F1
Isopropylbenzene	43.0	3.9 U	50.1	117	72-120	H
Methyl acetate	86.0	20 U	44.3	52	55-136	H F1
Methyl tert-butyl ether	43.0	3.9 U	29.4	68	63-125	H
Methylcyclohexane	43.0	3.9 U	45.8	107	60-140	H
Methylene Chloride	43.0	8.0	45.0	86	61-127	H
Styrene	43.0	3.9 U	39.6	92	80-120	H
Tetrachloroethene	43.0	3.9 U	42.5	99	74-122	H

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M12142.D

Lab ID: 480-214614-1 MSD Client ID: QNSB-MW-103 (33-34') MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	44.2	40.7	92	5	30	77-121	H
1,1,2,2-Tetrachloroethane	44.2	34.1	77	1	30	80-120	H F1
1,1,2-Trichloroethane	44.2	34.5	78	3	30	78-122	H
1,1,2-Trichloro-1,2,2-trifluoroethane	44.2	41.2	93	14	30	60-140	H
1,1-Dichloroethane	44.2	41.1	93	1	30	73-126	H
1,1-Dichloroethene	44.2	40.7	92	5	30	59-125	H
1,2,4-Trichlorobenzene	44.2	31.6	72	6	30	64-120	H
1,2-Dibromo-3-Chloropropane	44.2	28.1	64	3	30	63-124	H
1,2-Dichlorobenzene	44.2	37.2	84	3	30	75-120	H
1,2-Dichloroethane	44.2	33.7	76	5	30	77-122	H F1
1,2-Dichloropropane	44.2	39.8	90	4	30	75-124	H
1,3-Dichlorobenzene	44.2	38.5	87	3	30	74-120	H
1,4-Dichlorobenzene	44.2	37.4	85	4	30	73-120	H
2-Butanone (MEK)	221	140	63	26	30	70-134	H F1
2-Hexanone	221	153	69	0	30	59-130	H
4-Methyl-2-pentanone (MIBK)	221	154	70	1	30	65-133	H
Acetone	221	170	74	60	30	61-137	H F2
Benzene	44.2	40.4	91	2	30	79-127	H
Bromodichloromethane	44.2	38.2	86	1	30	80-122	H
Bromoform	44.2	29.5	67	0	30	68-126	H F1
Bromomethane	44.2	38.5	87	15	30	37-149	H
Carbon disulfide	44.2	39.9	90	9	30	64-131	H
Carbon tetrachloride	44.2	40.2	91	7	30	75-135	H
Chlorobenzene	44.2	38.4	87	6	30	76-124	H
Dibromochloromethane	44.2	34.8	79	1	30	76-125	H
Chloroethane	44.2	43.4	98	9	30	69-135	H
Chloroform	44.2	38.3	86	1	30	80-120	H
Chloromethane	44.2	50.3	114	9	30	63-127	H
cis-1,2-Dichloroethene	44.2	37.6	85	1	30	80-120	H
cis-1,3-Dichloropropene	44.2	37.6	85	3	30	80-120	H
Cyclohexane	44.2	45.2	102	10	30	65-120	H
Dichlorodifluoromethane	44.2	46.1	104	16	30	57-142	H
Ethylbenzene	44.2	41.8	95	4	30	80-120	H
1,2-Dibromoethane	44.2	32.8	74	2	30	78-120	H F1
Isopropylbenzene	44.2	47.5	108	5	30	72-120	H
Methyl acetate	88.3	56.7	64	24	30	55-136	H
Methyl tert-butyl ether	44.2	31.8	72	8	30	63-125	H
Methylcyclohexane	44.2	41.3	94	10	30	60-140	H
Methylene Chloride	44.2	47.3	89	5	30	61-127	H
Styrene	44.2	38.1	86	4	30	80-120	H
Tetrachloroethene	44.2	39.4	89	7	30	74-122	H

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM VIII

GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Sample No.: CCVIS 480-689105/4 Date Analyzed: 10/25/2023 18:55

Instrument ID: HP5977M GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Lab File ID (Standard): M11940.D Heated Purge: (Y/N) Y

Calibration ID: 45462

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		116470	5.22	284429	8.21	290133	10.62
UPPER LIMIT		232940	5.72	568858	8.71	580266	11.12
LOWER LIMIT		58235	4.72	142215	7.71	145067	10.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-689104/1-A		119844	5.23	286899	8.21	302701	10.62
MB 480-689104/2-A		118545	5.23	279607	8.21	314365	10.62
480-214046-1	QNSV-BMW-101 (114-115)	112468	5.23	270422	8.21	298915	10.62
480-214046-2	QNSB-BMW-101 (194-195)	110546	5.23	225650	8.21	141380*3	10.62

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

*3=ISTD response or retention time outside acceptable limits.

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Sample No.: CCVIS 480-689922/4 Date Analyzed: 11/01/2023 19:44

Instrument ID: HP5977M GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Lab File ID (Standard): M12062.D Heated Purge: (Y/N) Y

Calibration ID: 45462

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		111872	5.22	269135	8.21	280381	10.62
UPPER LIMIT		223744	5.72	538270	8.71	560762	11.12
LOWER LIMIT		55936	4.72	134568	7.71	140191	10.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-689921/1-A		108937	5.23	271883	8.21	276810	10.62
MB 480-689921/2-A		107876	5.23	271476	8.21	281800	10.62
480-214221-2	QNSB-BMW-102 (76-77)	4485*3	5.23	1435*3	8.22	1455*3	10.62

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

*3=ISTD response or retention time outside acceptable limits.

FORM III

GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M11906.D

Lab ID: LCS 480-688508/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	56.8	114	77-121	
1,1,2,2-Tetrachloroethane	50.0	50.0	100	80-120	
1,1,2-Trichloroethane	50.0	48.9	98	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	63.5	127	60-140	
1,1-Dichloroethane	50.0	52.3	105	73-126	
1,1-Dichloroethene	50.0	57.0	114	59-125	
1,2,4-Trichlorobenzene	50.0	47.5	95	64-120	
1,2-Dibromo-3-Chloropropane	50.0	50.3	101	63-124	
1,2-Dichlorobenzene	50.0	47.1	94	75-120	
1,2-Dichloroethane	50.0	46.9	94	77-122	
1,2-Dichloropropane	50.0	51.6	103	75-124	
1,3-Dichlorobenzene	50.0	48.7	97	74-120	
1,4-Dichlorobenzene	50.0	48.0	96	73-120	
2-Butanone (MEK)	250	213	85	70-134	
2-Hexanone	250	263	105	59-130	
4-Methyl-2-pentanone (MIBK)	250	251	100	65-133	
Acetone	250	181	72	61-137	
Benzene	50.0	52.8	106	79-127	
Bromodichloromethane	50.0	52.2	104	80-122	
Bromoform	50.0	48.0	96	68-126	
Bromomethane	50.0	54.9	110	37-149	
Carbon disulfide	50.0	57.1	114	64-131	
Carbon tetrachloride	50.0	58.4	117	75-135	
Chlorobenzene	50.0	49.7	99	76-124	
Dibromochloromethane	50.0	48.7	97	76-125	
Chloroethane	50.0	57.9	116	69-135	
Chloroform	50.0	49.8	100	80-120	
Chloromethane	50.0	63.3	127	63-127	
cis-1,2-Dichloroethene	50.0	50.1	100	81-120	
cis-1,3-Dichloropropene	50.0	55.3	111	80-120	
Cyclohexane	50.0	62.8	126	65-120	*+
Dichlorodifluoromethane	50.0	69.2	138	57-142	
Ethylbenzene	50.0	51.8	104	80-120	
1,2-Dibromoethane	50.0	48.9	98	78-120	
Isopropylbenzene	50.0	55.9	112	72-120	
Methyl acetate	100	86.6	87	55-136	
Methyl tert-butyl ether	50.0	46.2	92	63-125	
Methylcyclohexane	50.0	60.8	122	60-140	
Methylene Chloride	50.0	49.0	98	61-127	
Styrene	50.0	49.3	99	80-120	
Tetrachloroethene	50.0	52.9	106	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S2904.d

Lab ID: LCS 480-688787/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	23.7	95	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.0	92	76-120	
1,1,2-Trichloroethane	25.0	23.7	95	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.8	99	61-148	
1,1-Dichloroethane	25.0	23.3	93	77-120	
1,1-Dichloroethene	25.0	24.1	96	66-127	
1,2,4-Trichlorobenzene	25.0	26.0	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.3	89	56-134	
1,2-Dichlorobenzene	25.0	25.6	102	80-124	
1,2-Dichloroethane	25.0	22.8	91	75-120	
1,2-Dichloropropane	25.0	22.7	91	76-120	
1,3-Dichlorobenzene	25.0	24.9	99	77-120	
1,4-Dichlorobenzene	25.0	24.9	100	80-120	
2-Butanone (MEK)	125	103	83	57-140	
2-Hexanone	125	112	89	65-127	
4-Methyl-2-pentanone (MIBK)	125	106	85	71-125	
Acetone	125	134	107	56-142	
Benzene	25.0	23.1	92	71-124	
Bromodichloromethane	25.0	24.3	97	80-122	
Bromoform	25.0	21.7	87	61-132	
Bromomethane	25.0	24.7	99	55-144	
Carbon disulfide	25.0	23.7	95	59-134	
Carbon tetrachloride	25.0	23.2	93	72-134	
Chlorobenzene	25.0	24.2	97	80-120	
Dibromochloromethane	25.0	26.0	104	75-125	
Chloroethane	25.0	24.0	96	69-136	
Chloroform	25.0	23.0	92	73-127	
Chloromethane	25.0	23.1	92	68-124	
cis-1,2-Dichloroethene	25.0	23.7	95	74-124	
cis-1,3-Dichloropropene	25.0	22.1	89	74-124	
Cyclohexane	25.0	23.7	95	59-135	
Dichlorodifluoromethane	25.0	21.8	87	59-135	
Ethylbenzene	25.0	25.1	100	77-123	
1,2-Dibromoethane	25.0	23.1	92	77-120	
Isopropylbenzene	25.0	27.1	108	77-122	
Methyl acetate	50.0	35.7	71	74-133	*-
Methyl tert-butyl ether	25.0	21.8	87	77-120	
Methylcyclohexane	25.0	24.0	96	68-134	
Methylene Chloride	25.0	22.8	91	75-124	
Styrene	25.0	23.6	95	80-120	
Tetrachloroethene	25.0	25.5	102	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-213859-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M12033.D

Lab ID: LCS 480-689565/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	53.4	107	77-121	
1,1,2,2-Tetrachloroethane	50.0	47.7	95	80-120	
1,1,2-Trichloroethane	50.0	45.1	90	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	56.8	114	60-140	
1,1-Dichloroethane	50.0	52.9	106	73-126	
1,1-Dichloroethene	50.0	53.3	107	59-125	
1,2,4-Trichlorobenzene	50.0	43.3	87	64-120	
1,2-Dibromo-3-Chloropropane	50.0	47.0	94	63-124	
1,2-Dichlorobenzene	50.0	44.3	89	75-120	
1,2-Dichloroethane	50.0	46.8	94	77-122	
1,2-Dichloropropane	50.0	50.7	101	75-124	
1,3-Dichlorobenzene	50.0	44.9	90	74-120	
1,4-Dichlorobenzene	50.0	44.1	88	73-120	
2-Butanone (MEK)	250	279	111	70-134	
2-Hexanone	250	266	107	59-130	
4-Methyl-2-pentanone (MIBK)	250	260	104	65-133	
Acetone	250	263	105	61-137	
Benzene	50.0	51.6	103	79-127	
Bromodichloromethane	50.0	48.3	97	80-122	
Bromoform	50.0	41.2	82	68-126	
Bromomethane	50.0	44.8	90	37-149	
Carbon disulfide	50.0	52.5	105	64-131	
Carbon tetrachloride	50.0	52.5	105	75-135	
Chlorobenzene	50.0	44.7	89	76-124	
Dibromochloromethane	50.0	42.9	86	76-125	
Chloroethane	50.0	54.8	110	69-135	
Chloroform	50.0	48.5	97	80-120	
Chloromethane	50.0	60.8	122	63-127	
cis-1,2-Dichloroethene	50.0	49.2	98	81-120	
cis-1,3-Dichloropropene	50.0	49.3	99	80-120	
Cyclohexane	50.0	62.7	125	65-120	*+
Dichlorodifluoromethane	50.0	52.5	105	57-142	
Ethylbenzene	50.0	48.4	97	80-120	
1,2-Dibromoethane	50.0	43.5	87	78-120	
Isopropylbenzene	50.0	52.2	104	72-120	
Methyl acetate	100	107	107	55-136	
Methyl tert-butyl ether	50.0	45.2	90	63-125	
Methylcyclohexane	50.0	58.6	117	60-140	
Methylene Chloride	50.0	48.6	97	61-127	
Styrene	50.0	45.2	90	80-120	
Tetrachloroethene	50.0	46.3	93	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M12095.D

Lab ID: LCS 480-690419/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	53.5	107	77-121	
1,1,2,2-Tetrachloroethane	50.0	49.7	99	80-120	
1,1,2-Trichloroethane	50.0	48.8	98	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	57.2	114	60-140	
1,1-Dichloroethane	50.0	54.0	108	73-126	
1,1-Dichloroethene	50.0	54.7	109	59-125	
1,2,4-Trichlorobenzene	50.0	45.6	91	64-120	
1,2-Dibromo-3-Chloropropane	50.0	49.2	98	63-124	
1,2-Dichlorobenzene	50.0	46.6	93	75-120	
1,2-Dichloroethane	50.0	51.4	103	77-122	
1,2-Dichloropropane	50.0	55.3	111	75-124	
1,3-Dichlorobenzene	50.0	46.5	93	74-120	
1,4-Dichlorobenzene	50.0	46.5	93	73-120	
2-Butanone (MEK)	250	290	116	70-134	
2-Hexanone	250	282	113	59-130	
4-Methyl-2-pentanone (MIBK)	250	274	110	65-133	
Acetone	250	276	111	61-137	
Benzene	50.0	54.4	109	79-127	
Bromodichloromethane	50.0	53.6	107	80-122	
Bromoform	50.0	45.8	92	68-126	
Bromomethane	50.0	44.5	89	37-149	
Carbon disulfide	50.0	54.9	110	64-131	
Carbon tetrachloride	50.0	53.5	107	75-135	
Chlorobenzene	50.0	48.0	96	76-124	
Dibromochloromethane	50.0	47.8	96	76-125	
Chloroethane	50.0	53.8	108	69-135	
Chloroform	50.0	50.7	101	80-120	
Chloromethane	50.0	65.9	132	63-127	*+
cis-1,2-Dichloroethene	50.0	50.0	100	81-120	
cis-1,3-Dichloropropene	50.0	55.9	112	80-120	
Cyclohexane	50.0	61.7	123	65-120	*+
Dichlorodifluoromethane	50.0	61.3	123	57-142	
Ethylbenzene	50.0	49.4	99	80-120	
1,2-Dibromoethane	50.0	47.3	95	78-120	
Isopropylbenzene	50.0	52.4	105	72-120	
Methyl acetate	100	113	113	55-136	
Methyl tert-butyl ether	50.0	50.8	102	63-125	
Methylcyclohexane	50.0	58.2	116	60-140	
Methylene Chloride	50.0	52.3	105	61-127	
Styrene	50.0	47.8	96	80-120	
Tetrachloroethene	50.0	48.3	97	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-214367-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M12117.D

Lab ID: LCS 480-690854/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	54.5	109	77-121	
1,1,2,2-Tetrachloroethane	50.0	50.7	101	80-120	
1,1,2-Trichloroethane	50.0	50.4	101	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	58.5	117	60-140	
1,1-Dichloroethane	50.0	56.3	113	73-126	
1,1-Dichloroethene	50.0	54.0	108	59-125	
1,2,4-Trichlorobenzene	50.0	46.6	93	64-120	
1,2-Dibromo-3-Chloropropane	50.0	50.2	100	63-124	
1,2-Dichlorobenzene	50.0	47.1	94	75-120	
1,2-Dichloroethane	50.0	53.1	106	77-122	
1,2-Dichloropropane	50.0	56.4	113	75-124	
1,3-Dichlorobenzene	50.0	47.3	95	74-120	
1,4-Dichlorobenzene	50.0	46.8	94	73-120	
2-Butanone (MEK)	250	302	121	70-134	
2-Hexanone	250	284	114	59-130	
4-Methyl-2-pentanone (MIBK)	250	280	112	65-133	
Acetone	250	292	117	61-137	
Benzene	50.0	54.8	110	79-127	
Bromodichloromethane	50.0	54.8	110	80-122	
Bromoform	50.0	47.8	96	68-126	
Bromomethane	50.0	46.6	93	37-149	
Carbon disulfide	50.0	54.9	110	64-131	
Carbon tetrachloride	50.0	54.8	110	75-135	
Chlorobenzene	50.0	47.5	95	76-124	
Dibromochloromethane	50.0	48.4	97	76-125	
Chloroethane	50.0	54.8	110	69-135	
Chloroform	50.0	53.3	107	80-120	
Chloromethane	50.0	64.4	129	63-127	*+
cis-1,2-Dichloroethene	50.0	53.9	108	81-120	
cis-1,3-Dichloropropene	50.0	55.2	110	80-120	
Cyclohexane	50.0	62.8	126	65-120	*+
Dichlorodifluoromethane	50.0	62.9	126	57-142	
Ethylbenzene	50.0	49.8	100	80-120	
1,2-Dibromoethane	50.0	48.6	97	78-120	
Isopropylbenzene	50.0	51.7	103	72-120	
Methyl acetate	100	119	119	55-136	
Methyl tert-butyl ether	50.0	53.0	106	63-125	
Methylcyclohexane	50.0	59.4	119	60-140	
Methylene Chloride	50.0	54.7	109	61-127	
Styrene	50.0	48.5	97	80-120	
Tetrachloroethene	50.0	47.2	94	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-214912-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: M12247.D

Lab ID: LCS 480-692262/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	49.1	98	77-121	
1,1,2,2-Tetrachloroethane	50.0	53.7	107	80-120	
1,1,2-Trichloroethane	50.0	49.2	98	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	58.8	118	60-140	
1,1-Dichloroethane	50.0	46.4	93	73-126	
1,1-Dichloroethene	50.0	50.7	101	59-125	
1,2,4-Trichlorobenzene	50.0	48.0	96	64-120	
1,2-Dibromo-3-Chloropropane	50.0	53.2	106	63-124	
1,2-Dichlorobenzene	50.0	49.4	99	75-120	
1,2-Dichloroethane	50.0	40.7	81	77-122	
1,2-Dichloropropane	50.0	45.8	92	75-124	
1,3-Dichlorobenzene	50.0	51.1	102	74-120	
1,4-Dichlorobenzene	50.0	50.9	102	73-120	
2-Butanone (MEK)	250	218	87	70-134	
2-Hexanone	250	282	113	59-130	
4-Methyl-2-pentanone (MIBK)	250	271	108	65-133	
Acetone	250	191	76	61-137	
Benzene	50.0	46.9	94	79-127	
Bromodichloromethane	50.0	43.7	87	80-122	
Bromoform	50.0	44.4	89	68-126	
Bromomethane	50.0	46.1	92	37-149	
Carbon disulfide	50.0	51.8	104	64-131	
Carbon tetrachloride	50.0	48.8	98	75-135	
Chlorobenzene	50.0	49.5	99	76-124	
Dibromochloromethane	50.0	46.6	93	76-125	
Chloroethane	50.0	50.1	100	69-135	
Chloroform	50.0	42.9	86	80-120	
Chloromethane	50.0	62.2	124	63-127	
cis-1,2-Dichloroethene	50.0	42.2	84	81-120	
cis-1,3-Dichloropropene	50.0	47.5	95	80-120	
Cyclohexane	50.0	58.8	118	65-120	
Dichlorodifluoromethane	50.0	66.5	133	57-142	
Ethylbenzene	50.0	53.0	106	80-120	
1,2-Dibromoethane	50.0	48.0	96	78-120	
Isopropylbenzene	50.0	60.8	122	72-120	*+
Methyl acetate	100	85.1	85	55-136	
Methyl tert-butyl ether	50.0	40.0	80	63-125	
Methylcyclohexane	50.0	54.5	109	60-140	
Methylene Chloride	50.0	42.7	85	61-127	
Styrene	50.0	49.0	98	80-120	
Tetrachloroethene	50.0	52.8	106	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-214912-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L3024.D

Lab ID: LCS 480-693253/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.9	100	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.3	93	76-120	
1,1,2-Trichloroethane	25.0	22.8	91	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0	100	61-148	
1,1-Dichloroethane	25.0	24.8	99	77-120	
1,1-Dichloroethene	25.0	24.7	99	66-127	
1,2,4-Trichlorobenzene	25.0	23.0	92	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.4	102	56-134	
1,2-Dichlorobenzene	25.0	22.6	91	80-124	
1,2-Dichloroethane	25.0	23.5	94	75-120	
1,2-Dichloropropane	25.0	24.5	98	76-120	
1,3-Dichlorobenzene	25.0	22.7	91	77-120	
1,4-Dichlorobenzene	25.0	22.8	91	80-120	
2-Butanone (MEK)	125	193	154	57-140	*+
2-Hexanone	125	111	89	65-127	
4-Methyl-2-pentanone (MIBK)	125	112	89	71-125	
Acetone	125	106	85	56-142	
Benzene	25.0	24.2	97	71-124	
Bromodichloromethane	25.0	24.7	99	80-122	
Bromoform	25.0	24.7	99	61-132	
Bromomethane	25.0	25.6	102	55-144	
Carbon disulfide	25.0	24.1	97	59-134	
Carbon tetrachloride	25.0	23.9	96	72-134	
Chlorobenzene	25.0	24.2	97	80-120	
Dibromochloromethane	25.0	24.3	97	75-125	
Chloroethane	25.0	26.2	105	69-136	
Chloroform	25.0	24.0	96	73-127	
Chloromethane	25.0	24.4	98	68-124	
cis-1,2-Dichloroethene	25.0	24.1	96	74-124	
cis-1,3-Dichloropropene	25.0	25.1	101	74-124	
Cyclohexane	25.0	23.7	95	59-135	
Dichlorodifluoromethane	25.0	27.4	110	59-135	
Ethylbenzene	25.0	24.8	99	77-123	
1,2-Dibromoethane	25.0	23.9	96	77-120	
Isopropylbenzene	25.0	24.6	98	77-122	
Methyl acetate	50.0	44.3	89	74-133	
Methyl tert-butyl ether	25.0	22.3	89	77-120	
Methylcyclohexane	25.0	24.2	97	68-134	
Methylene Chloride	25.0	23.4	93	75-124	
Styrene	25.0	24.7	99	80-120	
Tetrachloroethene	25.0	25.0	100	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-214912-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L3037.D

Lab ID: LCSD 480-693253/21 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.8	111	11	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.9	100	7	15	76-120	
1,1,2-Trichloroethane	25.0	24.3	97	7	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.0	112	12	20	61-148	
1,1-Dichloroethane	25.0	26.7	107	8	20	77-120	
1,1-Dichloroethene	25.0	27.8	111	12	16	66-127	
1,2,4-Trichlorobenzene	25.0	25.4	102	10	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	26.1	104	2	15	56-134	
1,2-Dichlorobenzene	25.0	24.9	100	10	20	80-124	
1,2-Dichloroethane	25.0	25.1	100	7	20	75-120	
1,2-Dichloropropane	25.0	25.6	102	4	20	76-120	
1,3-Dichlorobenzene	25.0	25.0	100	10	20	77-120	
1,4-Dichlorobenzene	25.0	25.0	100	9	20	80-120	
2-Butanone (MEK)	125	205	164	6	20	57-140	*+
2-Hexanone	125	115	92	3	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	118	94	5	35	71-125	
Acetone	125	105	84	1	15	56-142	
Benzene	25.0	26.4	106	9	13	71-124	
Bromodichloromethane	25.0	25.7	103	4	15	80-122	
Bromoform	25.0	23.1	92	7	15	61-132	
Bromomethane	25.0	28.5	114	11	15	55-144	
Carbon disulfide	25.0	28.1	113	15	15	59-134	
Carbon tetrachloride	25.0	24.8	99	3	15	72-134	
Chlorobenzene	25.0	25.3	101	5	25	80-120	
Dibromochloromethane	25.0	23.7	95	2	15	75-125	
Chloroethane	25.0	29.2	117	11	15	69-136	
Chloroform	25.0	25.7	103	7	20	73-127	
Chloromethane	25.0	26.8	107	9	15	68-124	
cis-1,2-Dichloroethene	25.0	26.3	105	9	15	74-124	
cis-1,3-Dichloropropene	25.0	27.1	109	8	15	74-124	
Cyclohexane	25.0	26.8	107	12	20	59-135	
Dichlorodifluoromethane	25.0	30.1	120	9	20	59-135	
Ethylbenzene	25.0	26.5	106	7	15	77-123	
1,2-Dibromoethane	25.0	24.7	99	3	15	77-120	
Isopropylbenzene	25.0	27.1	108	10	20	77-122	
Methyl acetate	50.0	48.4	97	9	20	74-133	
Methyl tert-butyl ether	25.0	24.5	98	10	37	77-120	
Methylcyclohexane	25.0	27.1	109	12	20	68-134	
Methylene Chloride	25.0	25.8	103	10	15	75-124	
Styrene	25.0	26.0	104	5	20	80-120	
Tetrachloroethene	25.0	27.9	112	11	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

Data Usability Summary Report

Site: Queensbury Landfill
Laboratory: Pace Analytical Services, LLC - East Longmeadow, MA
SDG Nos.: 25I1463, 25I1600, 25I1706, 25I1899
Parameter: 1,4-Dioxane
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Elizabeth Denly /TRC
Date: November 4, 2025

Samples Reviewed and Evaluation Summary

The following SDGs were merged into one Category B deliverable by the laboratory:

SDG 25I1463:

4 Groundwater Samples: QNSB-MW-110, QNSB-MW-110S, QNSB-MW-111S, QNSB-DUP-01*

*Field duplicate of QNSB-MW-110

SDG 25I1600:

2 Groundwater Samples: QNSB-MW-108S, QNSB-MW-109
1 Equipment Blank: QNSB-EB-01

SDG 25I1706:

2 Groundwater Samples: QNSB-BMW-101, QNSB-MW-109S

SDG 25I1899:

5 Groundwater Samples: QNSB-MW-101, QNSB-MW-102, QNSB-MW-103, QNSB-MW-106S, QNSB-MW-112S

The above-listed samples were collected on September 23-26, 2025 and were analyzed for 1,4-dioxane by SW-846 Method 8270E using selective ion monitoring (SIM)/isotope dilution.

The data validation was performed in accordance with the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA-540-R-20-005), November 2020, modified for the methodology utilized.

The data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
* • Initial and Continuing Calibrations
* • Blanks
* • Surrogate Recoveries

*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	Laboratory Duplicate Results
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	•	Field Duplicate Results
*	•	Internal Standard Performance
*	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	A laboratory duplicate analysis was not performed on a sample in this data set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualification of the data as a result of sampling and analytical error was not required.

Data Completeness

The data package was a complete Category B data deliverable.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All percent relative standard deviations and relative response factors (RRFs) were within the method acceptance criteria in the initial calibrations associated with the samples in this data set. All RRFs and percent differences were within the acceptance criteria in the continuing calibration standards associated with the samples in this data set.

Blanks

Target analytes were not detected in the laboratory method blanks or equipment blank associated with the samples in this data set.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample QNSB-MW-110. The MS/MSD percent recoveries (%Rs) and relative percent differences (RPDs) met the laboratory acceptance criteria.

Laboratory Duplicate Results

A laboratory duplicate analysis was not performed on a sample in this data set.

LCS/LCSD Results

The LCS and LCSD %Rs and RPDs were within the laboratory acceptance criteria.

Field Duplicate Results

Samples QNSB-MW-110 and QNSB-DUP-01 were submitted as the field duplicate pair with this data set. The RPD acceptance limit for field duplicates in aqueous media is ≤30%. The RPD is not applicable for comparison of results <5x the QL; instead, comparison is based on the absolute difference (AbsD) between the results, which must be ≤QL. The following table summarizes the RPD of 1,4-dioxane in the field duplicate pair; all criteria were met.

Compound	QL (µg/L)	QNSB-MW-110 (µg/L)	QNSB-DUP-01 (µg/L)	RPD (%)	Validation Actions
1,4-Dioxane	0.20	2.2	2.1	4.7	None; all criteria were met.

Internal Standard Performance

All criteria were met.

Sample Results and Reported QLs

Sample calculations were spot-checked; there were no errors noted.

No dilutions were performed for this sample set.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1463

Date Received: 9/24/2025

Field Sample #: QNSB-MW-110 | Sampled: 9/23/2025 12:25

Sample ID: 25I1463-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	2.2	0.20	0.18	µg/L	1		SW-846 8270E	9/24/25	9/30/25 1:31	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
1,4-Dioxane-d8	25.1	15-110					9/30/25 1:31	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1463

Date Received: 9/24/2025

Field Sample #: QNSB-MW-110S | Sampled: 9/23/2025 10:50

Sample ID: 25I1463-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	9/24/25	9/30/25 11:30	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	17.7	15-110		9/30/25 11:30	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1463

Date Received: 9/24/2025

Field Sample #: QNSB-DUP-01 | Sampled: 9/23/2025 00:00

Sample ID: 25I1463-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	2.1	0.20	0.18	µg/L	1		SW-846 8270E	9/24/25	9/30/25 1:09	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	29.1	15-110		9/30/25 1:09	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1463

Date Received: 9/24/2025

Field Sample #: QNSB-MW-111S | Sampled: 9/23/2025 15:10

Sample ID: 25I1463-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	9/24/25	9/30/25 2:34	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.0	15-110		9/30/25 2:34

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1600

Date Received: 9/25/2025

Field Sample #: QNSB-MW-109 | Sampled: 9/24/2025 12:50

Sample ID: 25I1600-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.19	µg/L	1		SW-846 8270E	10/1/25	10/8/25 1:58	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	26.3	15-110		10/8/25 1:58	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1600

Date Received: 9/25/2025

Field Sample #: QNSB-MW-108S | Sampled: 9/24/2025 12:55

Sample ID: 25I1600-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	10/1/25	10/8/25 2:19	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	26.6	15-110		10/8/25 2:19	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1600

Date Received: 9/25/2025

Field Sample #: QNSB-EB-01 | Sampled: 9/24/2025 15:15

Sample ID: 25I1600-03

Sample Matrix: Equipment Blank Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.19	0.18	µg/L	1		SW-846 8270E	10/1/25	10/8/25 2:40	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	22.9	15-110		10/8/25 2:40	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1706

Date Received: 9/26/2025

Field Sample #: QNSB-BMW-101 | Sampled: 9/25/2025 12:10

Sample ID: 25I1706-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.19	µg/L	1		SW-846 8270E	10/2/25	10/8/25 3:01	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	26.5	15-110		10/8/25 3:01	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1706

Date Received: 9/26/2025

Field Sample #: QNSB-MW-109S | Sampled: 9/25/2025 15:40

Sample ID: 25I1706-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	10/2/25	10/8/25 3:22	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	26.7	15-110		10/8/25 3:22	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1899

Date Received: 9/27/2025

Field Sample #: QNSB-MW-102 | Sampled: 9/26/2025 09:00

Sample ID: 25I1899-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.79	0.21	0.19	µg/L	1		SW-846 8270E	10/2/25	10/8/25 3:43	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	27.1	15-110		10/8/25 3:43

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1899

Date Received: 9/27/2025

Field Sample #: QNSB-MW-101 | Sampled: 9/26/2025 11:25

Sample ID: 25I1899-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.86	0.20	0.18	µg/L	1		SW-846 8270E	10/2/25	10/8/25 4:04	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.6	15-110		10/8/25 4:04	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1899

Date Received: 9/27/2025

Field Sample #: QNSB-MW-106S | Sampled: 9/26/2025 12:25

Sample ID: 25I1899-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	10/2/25	10/8/25 4:25	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	25.8	15-110		10/8/25 4:25	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1899

Date Received: 9/27/2025

Field Sample #: QNSB-MW-103 | Sampled: 9/26/2025 14:45

Sample ID: 25I1899-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.19	µg/L	1		SW-846 8270E	10/2/25	10/8/25 4:46	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.9	15-110		10/8/25 4:46	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1899

Date Received: 9/27/2025

Field Sample #: QNSB-MW-112S | Sampled: 9/26/2025 15:30

Sample ID: 25I1899-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	10/2/25	10/8/25 10:00	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	25.6	15-110		10/8/25 10:00	

QC NONCONFORMANCE DOCUMENTATION

Not applicable to this data set

Data Usability Summary Report

Site: Queensbury Landfill
Laboratory: Pace Analytical Services, LLC - East Longmeadow, MA
SDG Nos.: 25I1934, 25I2069, 25J0087 (Revised 11/7/25)
Parameter: 1,4-Dioxane
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Elizabeth Denly /TRC
Date: November 6, 2025

Samples Reviewed and Evaluation Summary

The following SDGs were merged into one Category B deliverable by the laboratory:

SDG 25I1934:

4 Groundwater Samples: QNSB-BMW-102, QNSB-MW-105S, QNSB-MW-106, QNSB-MW-107

SDG 25I2069:

7 Groundwater Samples: QNSB-MCLN-DUP-01[1], QNSB-MCLN-MW-01, QNSB-MW-3, QNSB-MW-4, QNSB-MW-104, QNSB-MW-105, QNSB-MW-108

[1]Field duplicate of QNSB-MCLN-MW-01

SDG 25J0087:

5 Groundwater Samples: QNSB-DUP-03[2], QNSB-MCLN-MW-05, QNSB-MW-1, QNSB-MW-2, QNSB-MW-5
1 Equipment Blank: QNSB-EB-02

[2]Field duplicate of QNSB-MW-2

The above-listed samples were collected on September 29 and 30, and October 1, 2025 and were analyzed for 1,4-dioxane by SW-846 Method 8270E using selective ion monitoring (SIM)/isotope dilution.

The data validation was performed in accordance with the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA-540-R-20-005), November 2020, modified for the methodology utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- * Holding Times and Sample Preservation
- * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- * Initial and Continuing Calibrations
- * Blanks
- * Surrogate Recoveries

*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	Laboratory Duplicate Results
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	•	Field Duplicate Results
*	•	Internal Standard Performance
*	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	A laboratory duplicate analysis was not performed on a sample in this data set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualification of the data as a result of sampling and analytical error was not required.

Data Completeness

The data package was a complete Category B data deliverable with the following note/exception.

- Sample QNSB-MCLN-MW-05 (as logged in by the laboratory) was listed on the chain-of-custody as MCLN-MW-05. No action was taken on this basis.
- The raw data for sample QNSB-MW-4 were missing in the original Category B data deliverable. The laboratory provided a revised Category B data deliverable on 11/7/25 to correct this issue.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All percent relative standard deviations and relative response factors (RRFs) were within the method acceptance criteria in the initial calibration associated with the samples in this data set. All RRFs and percent differences were within the acceptance criteria in the continuing calibration standards associated with the samples in this data set.

Blanks

Target analytes were not detected in the laboratory method blanks or equipment blank associated with the samples in this data set.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on samples QNSB-MCLN-MW-01 and QNSB-MW-2. The MS/MSD percent recoveries (%Rs) and relative percent differences (RPDs) met the laboratory acceptance criteria.

Laboratory Duplicate Results

A laboratory duplicate analysis was not performed on a sample in this data set.

LCS/LCSD Results

The LCS and LCSD %Rs and RPDs were within the laboratory acceptance criteria.

Field Duplicate Results

Samples QNSB-MCLN-MW-01/QNSB-MCLN-DUP-01 and QNSB-MW-2/QNSB-DUP-03 were submitted as the field duplicate pairs with this data set. The RPD acceptance limit for field duplicates in aqueous media is ≤30%. The RPD is not applicable for comparison of results <5x the QL; instead, comparison is based on the absolute difference (AbsD) between the results, which must be ≤QL. 1,4-Dioxane was not detected in samples QNSB-MW-2/QNSB-DUP-03. The following table summarizes the AbsD of 1,4-dioxane in the remaining field duplicate pair; all criteria were met.

Compound	QL (µg/L)	QNSB-MCLN-MW-01 (µg/L)	QNSB-MCLN-DUP-01 (µg/L)	AbsD (µg/L)	Validation Actions
1,4-Dioxane	0.21	0.61	0.57	0.04	None; all criteria were met.

Internal Standard Performance

All criteria were met.

Sample Results and Reported QLs

Sample calculations were spot-checked; there were no errors noted.

No dilutions were performed for this sample set.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1934

Date Received: 9/30/2025

Field Sample #: QNSB-MW-106 | Sampled: 9/29/2025 09:40

Sample ID: 25I1934-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	1.1	0.20	0.18	µg/L	1		SW-846 8270E	10/3/25	10/10/25 17:42	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	28.1	15-110		10/10/25 17:42

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1934

Date Received: 9/30/2025

Field Sample #: QNSB-MW-107 | Sampled: 9/29/2025 11:50

Sample ID: 25I1934-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.57	0.20	0.18	µg/L	1		SW-846 8270E	10/3/25	10/10/25 18:03	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	31.2	15-110		10/10/25 18:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1934

Date Received: 9/30/2025

Field Sample #: QNSB-BMW-102 | Sampled: 9/29/2025 14:45

Sample ID: 25I1934-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.19	µg/L	1		SW-846 8270E	10/3/25	10/13/25 17:23	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	30.9	15-110		10/13/25 17:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25I1934

Date Received: 9/30/2025

Field Sample #: QNSB-MW-105S | Sampled: 9/29/2025 15:15

Sample ID: 25I1934-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.32	0.20	0.18	µg/L	1		SW-846 8270E	10/3/25	10/13/25 17:44	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	29.5	15-110		10/13/25 17:44	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ridge Road, Queensbury, NY Sample Description: Work Order: 25I2069

Date Received: 10/1/2025

Field Sample #: QNSB-MW-105 Sampled: 9/30/2025 09:30

Sample ID: 25I2069-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	1.0	0.20	0.18	µg/L	1		SW-846 8270E	10/3/25	10/9/25 23:52	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110			10/9/25 23:52

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Project Location: Ridge Road, Queensbury, NY Sample Description: Work Order: 25I2069

Date Received: 10/1/2025

Field Sample #: QNSB-MW-4 Sampled: 9/30/2025 11:15

Sample ID: 25I2069-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	10/3/25	10/10/25 0:12	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.0	15-110		10/10/25 0:12	

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Project Location: Ridge Road, Queensbury, NY Sample Description: Work Order: 25I2069

Date Received: 10/1/2025

Field Sample #: QNSB-MW-104 Sampled: 9/30/2025 11:25

Sample ID: 25I2069-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.75	0.20	0.18	µg/L	1		SW-846 8270E	10/3/25	10/10/25 0:33	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	27.2	15-110		10/10/25 0:33	

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Project Location: Ridge Road, Queensbury, NY Sample Description: Work Order: 25I2069

Date Received: 10/1/2025

Field Sample #: QNSB-MW-108 Sampled: 9/30/2025 14:20

Sample ID: 25I2069-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	1.4	0.20	0.18	µg/L	1		SW-846 8270E	10/3/25	10/10/25 0:54	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	30.2	15-110		10/10/25 0:54	

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Project Location: Ridge Road, Queensbury, NY Sample Description: Work Order: 25I2069

Date Received: 10/1/2025

Field Sample #: QNSB-MW-3 Sampled: 9/30/2025 15:35

Sample ID: 25I2069-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	7.1	0.20	0.18	µg/L	1		SW-846 8270E	10/3/25	10/10/25 1:15	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	27.1	15-110		10/10/25 1:15	

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Project Location: Ridge Road, Queensbury, NY Sample Description: Work Order: 25I2069

Date Received: 10/1/2025

Field Sample #: QNSB-MCLN-MW-01 Sampled: 9/30/2025 12:50

Sample ID: 25I2069-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.61	0.21	0.19	µg/L	1		SW-846 8270E	10/3/25	10/10/25 1:35	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	27.7	15-110		10/10/25 1:35	

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Project Location: Ridge Road, Queensbury, NY Sample Description: Work Order: 25I2069

Date Received: 10/1/2025

Field Sample #: QNSB-MCLN-DUP-01 Sampled: 9/30/2025 00:00

Sample ID: 25I2069-07

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.57	0.21	0.19	µg/L	1		SW-846 8270E	10/3/25	10/10/25 1:56	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	27.2	15-110		10/10/25 1:56	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25J0087

Date Received: 10/2/2025

Field Sample #: QNSB-MW-5 | Sampled: 10/1/2025 10:30

Sample ID: 25J0087-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	10/7/25	10/10/25 2:17	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.3	15-110		10/10/25 2:17	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25J0087

Date Received: 10/2/2025

Field Sample #: QNSB-MW-2 | Sampled: 10/1/2025 12:55

Sample ID: 25J0087-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	10/7/25	10/10/25 2:37	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.2	15-110		10/10/25 2:37	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25J0087

Date Received: 10/2/2025

Field Sample #: QNSB-DUP-03 | Sampled: 10/1/2025 00:00

Sample ID: 25J0087-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.18	µg/L	1		SW-846 8270E	10/7/25	10/10/25 3:39	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.1	15-110		10/10/25 3:39	

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Project Location: Queensbury, NY | Sample Description: | Work Order: 25J0087

Date Received: 10/2/2025

Field Sample #: QNSB-MW-1 | Sampled: 10/1/2025 15:35

Sample ID: 25J0087-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.19	µg/L	1		SW-846 8270E	10/7/25	10/10/25 3:59	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.9	15-110		10/10/25 3:59	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25J0087

Date Received: 10/2/2025

Field Sample #: QNSB-MCLN-MW-05 | Sampled: 10/1/2025 11:05

Sample ID: 25J0087-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.48	0.22	0.20	µg/L	1		SW-846 8270E	10/7/25	10/10/25 4:20	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	27.9	15-110		10/10/25 4:20	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Queensbury, NY | Sample Description: | Work Order: 25J0087

Date Received: 10/2/2025

Field Sample #: QNSB-EB-02 | Sampled: 10/1/2025 16:05

Sample ID: 25J0087-06

Sample Matrix: Equipment Blank Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.19	µg/L	1		SW-846 8270E	10/7/25	10/10/25 4:40	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	30.2	15-110		10/10/25 4:40	

QC NONCONFORMANCE DOCUMENTATION

Not applicable to this data set

Data Usability Summary Report

Site: Queensbury Landfill Site No. 557005
Laboratory: Eurofins TestAmerica Buffalo – Amherst, NY
SDG No(s).: 480-215440-1, 480-215480-1 (Revision 1), 480-215528-1, 480-215576-1
Parameters: Metals
Data Reviewer: Amy Bass/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: February 23, 2024

Sample Reviewed and Evaluation Summary

SDG 480-215440-1

2 / Groundwater: QNSB-MW-110, QNSB-DUP-01[1]

[1]Field duplicate for QNSB-MW-110

SDG 480-215480-1 (Revision 1)

6 / Groundwater: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108, QNSB-MW-109

SDG 480-215528-1

3 / Groundwater: QNSB-MW-101, QNSB-MW-102, QNSB-MW-103

1 / Equipment Blank: EB-01

SDG 480-215576-1

2 / Groundwater: QNSB-BMW-101, QNSB-BMW-102

1 / Equipment Blank: QNSB-EB-02

The above-listed samples were collected on December 5 through 8, 2023, and were analyzed for total metals by SW-846 Methods 6010C/7470A. The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 542-R-20-006), November 2020*, modified for the methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- * Holding Times and Sample Preservation
- Initial and Continuing Calibrations
- * Interference Check Sample (ICS) Results
- Blanks
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) and Post-Digestion Spike (PDS) Results
- NA Laboratory Duplicate Results

*	•	Inductively Coupled Plasma (ICP) Serial Dilution Results
*	•	Laboratory Control Sample/LCS Duplicate (LCS/LCSD) Results
	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits (QLs)

*	-	All criteria were met.
NA	-	Not applicable; laboratory duplicates were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for the project objectives. Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for lead in samples QNSB-DUP-01, QNSB-MW-105, QNSB-MW-108, and QNSB-BMW-101 were qualified as estimated (J), and the nondetect results for lead in the remaining groundwater samples were qualified as estimated (UJ) due to field duplicate variability. These results can be used for project objectives as estimated values or nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for barium, calcium, iron, magnesium, and manganese in all groundwater samples were qualified as estimated (J) due to field duplicate variability. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select metals results that were detected between the method detection limit (MDL) and QL. These results were qualified as estimated (J) by the laboratory. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive results for potassium in samples QNSB-MW-101, QNSB-BMW-101, and QNSB-BMW-102 were qualified as estimated (J-) with a potential low bias due to low recoveries in the low-level calibration verification standards (CCVLs), and the positive result for potassium in sample QNSB-MW-103 was qualified as estimated (J) due to low CCVL recovery and method blank contamination. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for lead in sample QNSB-MW-110 and for potassium in samples EB-01 and QNSB-EB-02 were qualified as estimated (UJ) due to low CCVL recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for aluminum in samples QNSB-MW-110 and QNSB-DUP-01 were qualified as estimated (J) with a potential high bias due to high CCVL recovery and detection <QL, and the positive result for lead in sample QNSB-DUP-01 was qualified as estimated (J) due to high CCVL recovery and field duplicate variability. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive results for barium in all groundwater samples in this data set were qualified as estimated (J) due to high MS/MSD recoveries and/or field duplicate variability. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive result for iron in sample QNSB-MW-110 was qualified as estimated (J) due to method blank contamination and field duplicate variability. This result can be used for project objectives as a nondetect with an estimated QL, which may have a minor impact on the data usability.

- The positive results for mercury in samples EB-01, QNSB-MW-101, QNSB-MW-102, and QNSB-MW-103, and for chromium and mercury in sample QNSB-BMW-101 were qualified as nondetect (U) due to method blank contamination. These results can be used for project objectives as nondetects, which may have a minor impact on the data usability.

- The positive results for calcium, iron, magnesium, and manganese were qualified as estimated (J) due to high and/or low MS/MSD recoveries and/or field duplicate variability. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable, with the following exception.

- The chain-of-custody (COC) form did not provide a sample collection time for sample QNSB-MW-106; the collection time was entered by the laboratory as 00:00.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

Initial and Continuing Calibrations

All initial calibration correlation coefficients for the metals analyses were >0.995. The initial calibration verification (ICV) and continuing calibration verification (CCV) percent recoveries (%Rs) for the metals analyses met the method acceptance limits (90-110%). The CCVL %Rs for the mercury analyses met the method acceptance limits of 70-130%. The following table summarizes the CCVL %Rs for the 6010C metals analyses that did not meet the method acceptance limits of 80-120%, the associated samples, and the resulting validation actions.

CCLV ID(s)	Analyte	%R	Validation Actions
480-695076/27 12/11/23 @17:58	Lead	78	The nondetect result for lead in sample QNSB-MW-110 was qualified as estimated (UJ).
Associated sample: QNSB-MW-110			
480-694772/44 12/07/23@19:01	Aluminum	130	The positive results for aluminum in the associated samples were qualified as estimated (J). High bias was not applied since these results were also qualified as estimated due to detection <QL.
Associated samples: QNSB-MW-110, QNSB-DUP-01			

CCLV ID(s)	Analyte	%R	Validation Actions
480-694888/24 12/08/2023 15:37	Potassium	128	No qualification was required on this basis since the potassium concentration in the associated sample was >10× the QL
Associated sample: QNSB-MW-110			
480-694888/44 12/08/2023 17:06	Lead	124	The positive result for lead in sample QNSB-DUP-01 was qualified as estimated (J); high bias was not applied since this result was also qualified as estimated due to field duplicate variability.
Associated sample: QNSB-DUP-01			
480-695113/37 12/11/2023 22:35	Potassium	79	The positive result for potassium in sample QNSB-MW-101 was qualified as estimated (J-) with a potential low bias, the positive result for potassium in sample QNSB-MW-103 was qualified as estimated (J), and the nondetect result for potassium in sample EB-01 was qualified as estimated (UJ). Low bias was not applied to the QNSB-MW-103 result since this result was also qualified as estimated due to method blank contamination. No qualification was required on this basis for potassium in sample QNSB-MW-102 since the concentration was >10× the QL.
Associated samples: EB-01, QNSB-MW-101, QNSB-MW-102, QNSB-MW-103			
CCVL 480-695285/40 12/13/2023 03:41	Potassium	70	The positive results for potassium in samples QNSB-BMW-101 and QNSB-BMW-102 were qualified as estimated (J-) with a potential low bias, and the nondetect result for potassium in sample QNSB-EB-02 was qualified as estimated (UJ).
Associated samples: QNSB-BMW-101, QNSB-BMW-102, QNSB-EB-02			

ICS Results

All analytes recovered within the acceptance limits (80-120%) in the ICSA and ICSAB sample analyses, with the exception of barium, as discussed below. Potential metal interferants aluminum, calcium, iron, and magnesium were spiked into the ICSA samples. The interferent concentrations in all samples of this data set were less than 90% of the ICSA concentrations; thus, no further evaluation of potential interferences was needed, and no validation action was required on this basis.

Barium (a non-interferent) appears as a spiked analyte in the ICSAs; however, the barium spike recoveries were not reported by the laboratory. Communications with the laboratory indicated that barium actually was not spiked into the ICSAs but is a known background impurity in the ICSA standard solution. The laboratory has the capability to compensate for the observed background impurity in the standard, which is allowed for in the most recent versions of the 6010 methodology. Therefore, the barium contamination in the ICSA analyses was not included in this evaluation, and no validation action was required on this basis.

Blanks

Metals were detected in one or more of the associated method blanks and/or continuing calibration blanks (CCBs). Initial calibration blanks were reported, but none were directly associated with the sample results and were not included in this evaluation. The following table summarizes the analytes detected in the laboratory method blanks and CCBs, the concentrations detected, the associated samples, and the resulting validation actions.

Blank ID(s)	Analyte	Blank Concentration (mg/L)	Validation Actions
MB 480-694510/1-A	Iron	0.0208 J	The positive result for iron in sample QNSB-MW-110 was qualified as estimated (J) since this result was ≥QL and <10× the blank concentration; high bias was not applied since this result was also qualified as estimated due to field duplicate variability. No qualification was required on this basis for iron in sample QNSB-DUP-01, since this result was ≥10× the blank concentration.
Associated samples: QNSB-MW-110, QNSB-DUP-01			
MB 480-694816/1-A	Manganese	0.000730 J	Qualification was not required on this basis since the manganese concentrations in the associated samples were ≥10× the blank concentration.
Associated samples: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108, QNSB-MW-109			
MB 480-694825/1-A	Potassium	0.223 J	The positive result for potassium in sample QNSB-MW-103 was qualified as estimated (J); high bias was not applied since this result was also qualified as estimated due to low CCVL recovery. Qualification was not required on this basis in samples QNSB-MW-101 and QNSB-MW-102 since potassium concentrations in these samples were ≥10× the blank concentration. No qualification was required for the nondetect potassium result in sample EB-01.
	Mercury	0.0000483 J	The positive results for mercury in the associated samples were qualified as nondetect (U) at the QL since these results were <QL.
Associated samples: EB-01, QNSB-MW-101, QNSB-MW-102, QNSB-MW-103			
MB 480-695024/1-A	Chromium	0.00522	The positive results for chromium and mercury in sample QNSB-BMW-101 were qualified as nondetect (U) at the QL since these results were <QL. No qualification was required on this basis in the remaining associated samples since these results were nondetect.
	Mercury	0.0000483 J	
Associated samples: QNSB-BMW-101, QNSB-BMW-102, QNSB-EB-02			
CCB 480-694888/23, 35 12/08/2023 @15:34-16:18	Potassium	0.240 J (maximum)	Qualification was not required on this basis since the potassium concentration in the associated sample was ≥10× the blank concentration.
Associated sample: QNSB-MW-110			
CCB 480-694888/35, 43 12/08/2023 @16:18-17:03	Potassium	0.135 J (maximum)	Qualification was not required on this basis since the potassium concentration in the associated sample was ≥10× the blank concentration.
Associated sample: QNSB- DUP-01			
CCB 480-695111/31 12/11/2023 @19:07	Silver	0.00176 J	Qualification was not required on this basis since silver was nondetect in the associated samples.
Associated samples: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108			
CCB 480-695285/43 12/13/2023 @04:19	Potassium	0.104 J	Qualification was not required on this basis since potassium was nondetect in the associated sample.
Associated sample: QNSB-EB-02			

Mercury was detected in equipment blank EB-01, but this result was qualified as nondetect due to method blank contamination (refer to the table above); therefore, no further consideration was required for this reported detection. Manganese (0.0019 J mg/L) was detected in equipment blank QNSB-EB-02, associated with samples QNSB-BMW-101 and QNSB-BMW-102. Qualification

was not required on this basis since manganese concentrations in the associated samples were ≥10× the blank concentration.

MS/MSD and PDS Results

MS/MSD analyses were performed using the following samples for the indicated analyses:

- QNSB-MW-110 (metals, including mercury)
- QNSB-MW-104 (mercury)
- EB-01 (mercury)
- QNSB-MW-102 (metals, excluding mercury).

All criteria were met for MS/MSD analyses performed on samples EB-01 and QNSB-MW-104. The following table summarizes the MS/MSD and PDS %Rs that did not meet criteria (75-125% for 6010C metals; 80-120% for mercury) and the resulting validation actions. The MS/MSD relative percent differences (RPDs) for all analytes were within the acceptance limits (≤35% for 6010C metals; ≤20% for mercury).

PDS analysis for the 6010C metals is required only if MS/MSD %Rs are outside the acceptance limits. PDS analysis for the method 6010C metals was performed on sample QNSB-MW-102. Although the MS/MSD analyses of sample QNSB-MW-110 exhibited %Rs that did not meet the acceptance limits, a PDS analysis was not performed for this sample; no further validation action was taken on this basis. The PDS results for the metals listed in the table below were included in this evaluation and were compared to the acceptance limits of 75-125%.

Note that select metals exhibited MS/MSD %Rs outside the acceptance limits but the concentrations of these metals in the unspiked sample were >4× the spike concentrations; MS/MSD %Rs are not reliable in this situation and are not usable for sample qualification. These metals were not included in the evaluation or in the table.

MS/MSD/PDS Sample ID	Analyte	MS %R	MSD %R	PDS %R	Validation Actions
QNSB-MW-110	Barium	161	154	NA	The positive results for barium in all groundwater samples except QNSB-MW-102 were qualified as estimated (J) on this basis; high bias was not applied since these results were also qualified as estimated due to field duplicate variability.
	Calcium	1043	995	NA	The positive results for calcium, iron, and magnesium in all groundwater samples except QNSB-MW-102 were qualified as estimated (J) on this basis; high bias was not applied since these results were also qualified as estimated due to field duplicate variability.
	Iron	142	136	NA	
	Magnesium	504	487	NA	
	Manganese	171	164	NA	The positive results for manganese in all groundwater samples were qualified as estimated (J); bias was not applied since recoveries were high in one MS/MSD and low in the other MS/MSD, and these results were also qualified as estimated due to field duplicate variability.
QNSB-MW-102	Manganese	70	73	68	
NA: PDS analysis was not performed for sample QNSB-MW-110.					

Laboratory Duplicate Results

Laboratory duplicate analysis was not performed on a sample from this data set.

ICP Serial Dilution Results

ICP serial dilution analysis was performed on samples QNSB-MW-110, QNSB-MW-104, and EB-01 for mercury; and on sample QNSB-MW-102 for 6010C metals. Only barium, calcium, magnesium, manganese, potassium, and sodium in sample QNSB-MW-102 met the 50× MDL requirement for evaluation of the serial dilution results; therefore, only these analytes were included in this review. The serial dilution percent differences (%Ds) for these analytes met the acceptance criteria of ≤20%; therefore, no qualification was required on this basis.

LCS/LCSD Results

LCS and/or LCSD analyses were included for the metals analyses. The LCS and LCSD %Rs and the LCS/LCSD RPDs, where applicable, met the acceptance criteria.

Field Duplicate Results

Samples QNSB-MW-110 and QNSB-DUP-01 were submitted as the field duplicate pair with this data set. The following table summarizes the RPDs or absolute differences (AbsDs), where applicable, of the detected results. The evaluation criteria (as detailed below) were met except for barium, calcium, iron, lead, magnesium, and manganese. Positive results for these metals were qualified as estimated (J), and nondetect results for lead were qualified as estimated (UJ) in all groundwater samples in this data set.

Field duplicate criteria for aqueous samples are as follows:

- RPDs ≤ 30 when positive results for both samples are ≥ 5× QL
- AbsD ≤ QL and when one or both results are < 5× QL

Analyte	QL (mg/L)	QNSB-MW-110 (mg/L)	QNSB-DUP-01 (mg/L)	RPD (%) or AbsD (mg/L)	Validation Action
Aluminum	0.20	0.076 J	0.066 J	AbsD: 0.010	The positive results for barium, calcium, iron, magnesium, and manganese in all groundwater samples were qualified as estimated (J). The positive results for lead in samples QNSB-DUP-01, QNSB-MW-105, QNSB-MW-108, and QNSB-BMW-101 were qualified as estimated (J), and the nondetect results for lead in the remaining groundwater samples were qualified as estimated (UJ).
Barium	0.0020	0.15	0.25	**RPD: 50.0**	
Cadmium	0.0020	ND (0.0020)	0.00058 J	AbsD: 0.00142	
Calcium	0.50	7.8	97.6	**RPD: 170**	
Chromium	0.0040	0.0037 J	ND (0.0040)	AbsD: 0.0003	
Cobalt	0.0040	ND (0.0040)	0.00066 J	AbsD: 0.00334	
Iron	0.050	0.086	3.4	**AbsD: 3.314**	
Lead	0.010	ND (0.010)	0.030	**AbsD: 0.02**	
Magnesium	0.20	8.3	47.2	**RPD: 140**	
Manganese	0.0030	0.0019 J	0.12	**AbsD: 0.1181**	
Nickel	0.010	ND (0.010)	0.0026 J	AbsD: 0.0074	
Potassium	0.50	49.0	40.0	RPD: 20.2	
Selenium	0.025	0.0097 J	ND (0.025)	AbsD: 0.0153	
Sodium	1.0	77.0	91.2	RPD: 16.9	
Vanadium	0.0050	0.0015 J	ND (0.0050)	AbsD: 0.0035	

Sample Results and Reported Quantitation Limits

Select metal results were reported between the MDL and QL in the associated samples. These results were qualified as estimated (J) by the laboratory.

Sample calculations were spot-checked, and no errors were noted.

No dilutions were performed with the metals analyses for this sample set.

QUALIFIED FORM 1s

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-110 Lab Sample ID: 480-215440-1

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG ID.:

Matrix: Water Date Sampled: 12/05/2023 14:30

Reporting Basis: WET Date Received: 12/06/2023 12:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.076	0.20	0.060	mg/L	~~J~~ J		1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.15	0.0020	0.00070	mg/L	J	~~F1~~	1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	7.8	0.50	0.10	mg/L	J	~~F1~~	1	6010C
7440-47-3	Chromium	0.0037	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.086	0.050	0.019	mg/L	J	~~B F1~~	1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	8.3	0.20	0.043	mg/L	J	~~F1~~	1	6010C
7439-96-5	Manganese	0.0019	0.0030	0.00040	mg/L	~~J~~ J	~~F1~~	1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	49.0	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	0.0097	0.025	0.0087	mg/L	J		1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	77.0	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.0015	0.0050	0.0015	mg/L	J		1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG ID.:

Matrix: Water | Date Sampled: 12/05/2023 12:00

Reporting Basis: WET | Date Received: 12/06/2023 12:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.066	0.20	0.060	mg/L	~~J~~ J		1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.25	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.00058	0.0020	0.00050	mg/L	J		1	6010C
7440-70-2	Calcium	97.6	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.00066	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	3.4	0.050	0.019	mg/L	J	~~B~~	1	6010C
7439-92-1	Lead	0.030	0.010	0.0030	mg/L	J		1	6010C
7439-95-4	Magnesium	47.2	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.12	0.0030	0.00040	mg/L	J		1	6010C
7440-02-0	Nickel	0.0026	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	40.0	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	91.2	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-104
Lab Sample ID: 480-215480-1
Lab Name: Eurofins Buffalo
Job No.: 480-215480-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2023 11:20
Reporting Basis WET
Date Received: 12/07/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.095	0.20	0.060	mg/L	J		1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.12	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	156	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	0.0027	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	0.0083	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.0030	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	1.8	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	65.4	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	1.6	0.0030	0.00040	mg/L	J	~~B~~	1	6010C
7440-02-0	Nickel	0.011	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	3.4	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	72.0	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.013	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-105
Lab Sample ID: 480-215480-2
Lab Name: Eurofins Buffalo
Job No.: 480-215480-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2023 11:40
Reporting Basis WET
Date Received: 12/07/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2.6	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.36	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.00059	0.0020	0.00050	mg/L	J		1	6010C
7440-70-2	Calcium	145	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	0.012	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.0021	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	0.0059	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	8.7	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	0.0050	0.010	0.0030	mg/L	~~J~~ J		1	6010C
7439-95-4	Magnesium	69.7	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.17	0.0030	0.00040	mg/L	J	~~B~~	1	6010C
7440-02-0	Nickel	0.011	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	4.0	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	46.8	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.0048	0.0050	0.0015	mg/L	J		1	6010C
7440-66-6	Zinc	0.012	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-106
Lab Sample ID: 480-215480-3
Lab Name: Eurofins Buffalo
Job No.: 480-215480-1
SDG ID.:
Matrix: Water
Date Sampled: 12/06/2023 00:00
Reporting Basis WET
Date Received: 12/07/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.072	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.00053	0.0020	0.00050	mg/L	J		1	6010C
7440-70-2	Calcium	122	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.0022	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	0.0025	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	0.20	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	38.0	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.57	0.0030	0.00040	mg/L	J	B	1	6010C
7440-02-0	Nickel	0.0043	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	4.5	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	26.9	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0038	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-107
Lab Sample ID: 480-215480-4
Lab Name: Eurofins Buffalo
Job No.: 480-215480-1
SDG ID.:
Matrix: Water
Date Sampled: 12/06/2023 14:45
Reporting Basis WET
Date Received: 12/07/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.076	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	93.0	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	0.0023	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	0.0019	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	0.0037	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	2.1	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	25.2	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.39	0.0030	0.00040	mg/L	J	~~B~~	1	6010C
7440-02-0	Nickel	0.0021	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	1.9	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	16.5	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0040	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-108
Lab Sample ID: 480-215480-5
Lab Name: Eurofins Buffalo
Job No.: 480-215480-1
SDG ID.:
Matrix: Water
Date Sampled: 12/06/2023 11:40
Reporting Basis WET
Date Received: 12/07/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5.7	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.26	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	0.00037	0.0020	0.00030	mg/L	J		1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	169	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	0.012	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.0070	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.0088	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	12.7	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	0.0075	0.010	0.0030	mg/L	~~J~~ J		1	6010C
7439-95-4	Magnesium	83.0	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.48	0.0030	0.00040	mg/L	J	~~B~~	1	6010C
7440-02-0	Nickel	0.0088	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	5.9	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	62.7	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.0097	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.016	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-109
Lab Sample ID: 480-215480-6
Lab Name: Eurofins Buffalo
Job No.: 480-215480-1
SDG ID.:
Matrix: Water
Date Sampled: 12/06/2023 10:50
Reporting Basis WET
Date Received: 12/07/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.22	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.063	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	76.7	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	0.0033	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.0021	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	0.38	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	26.8	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.11	0.0030	0.00040	mg/L	J	~~B~~	1	6010C
7440-02-0	Nickel	0.0025	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	1.8	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	71.3	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0020	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG ID.:

Matrix: Water | Date Sampled: 12/07/2023 08:30

Reporting Basis: WET | Date Received: 12/08/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	ND	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	ND	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	ND	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	ND	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	ND	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	ND	0.50	0.10	mg/L	UJ		1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	ND	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND ~~0.000072~~	0.00020	0.000043	mg/L	~~J~~ U	~~B~~	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG ID.:

Matrix: Water | Date Sampled: 12/07/2023 14:15

Reporting Basis: WET | Date Received: 12/08/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.44	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.11	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	159	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	0.0021	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	0.0019	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	0.0066	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	0.84	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	43.1	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.56	0.0030	0.00040	mg/L	J		1	6010C
7440-02-0	Nickel	0.0067	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	4.2	0.50	0.10	mg/L	J-		1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	23.2	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0082	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND ~~0.000055~~	0.00020	0.000043	mg/L	~~J~~ U	~~B~~	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-102 Lab Sample ID: 480-215528-3

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG ID.:

Matrix: Water Date Sampled: 12/07/2023 11:35

Reporting Basis: WET Date Received: 12/08/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.11	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	166	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	0.0016	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	0.0050	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.0050	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	0.52	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	54.0	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.48	0.0030	0.00040	mg/L	J	~~F1~~	1	6010C
7440-02-0	Nickel	0.0065	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	6.2	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	23.6	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.018	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND ~~0.000057~~	0.00020	0.000043	mg/L	~~J~~ U	~~B~~	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG ID.:

Matrix: Water | Date Sampled: 12/07/2023 11:35

Reporting Basis: WET | Date Received: 12/08/2023 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.031	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	90.1	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.021	0.050	0.019	mg/L	~~J~~ J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	25.8	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.038	0.0030	0.00040	mg/L	J		1	6010C
7440-02-0	Nickel	0.0013	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	1.9	0.50	0.10	mg/L	J		1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	14.0	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND ~~0.000052~~	0.00020	0.000043	mg/L	~~J~~ U	~~B~~	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-BMW-101 Lab Sample ID: 480-215576-1

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG ID.:

Matrix: Water Date Sampled: 12/08/2023 12:05

Reporting Basis: WET Date Received: 12/09/2023 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.44	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.12	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	36.6	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	ND ~~0.0030~~	0.0040	0.0010	mg/L	~~J~~ U		1	6010C
7440-48-4	Cobalt	0.00069	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	13.2	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	0.0032	0.010	0.0030	mg/L	~~J~~ J		1	6010C
7439-95-4	Magnesium	15.7	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.34	0.0030	0.00040	mg/L	J		1	6010C
7440-02-0	Nickel	0.0033	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	2.3	0.50	0.10	mg/L	J-		1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L		~~J~~	1	6010C
7440-23-5	Sodium	6.6	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0024	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND ~~0.000043~~	0.00020	0.000043	mg/L	~~J~~ U	~~B~~	1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-BMW-102 Lab Sample ID: 480-215576-2

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG ID.:

Matrix: Water Date Sampled: 12/08/2023 10:15

Reporting Basis: WET Date Received: 12/09/2023 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.13	0.0020	0.00070	mg/L	J		1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	50.1	0.50	0.10	mg/L	J		1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	10.3	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L	UJ		1	6010C
7439-95-4	Magnesium	28.1	0.20	0.043	mg/L	J		1	6010C
7439-96-5	Manganese	0.28	0.0030	0.00040	mg/L	J		1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	1.2	0.50	0.10	mg/L	J-		1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L		~~J~~	1	6010C
7440-23-5	Sodium	8.0	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: QNSB-EB-02 Lab Sample ID: 480-215576-3

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG ID.:

Matrix: Water Date Sampled: 12/08/2023 08:36

Reporting Basis: WET Date Received: 12/09/2023 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	ND	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	ND	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	ND	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	ND	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.0019	0.0030	0.00040	mg/L	J		1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	ND	0.50	0.10	mg/L	UJ		1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L		~~J~~	1	6010C
7440-23-5	Sodium	ND	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

QC NONCONFORMANCE DOCUMENTATION

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

ICV Source: MEI_10_CCVL_00509 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00509

Analyte	ICVL 480-695076/7 12/11/2023 14:31				CCVL 480-695076/20 12/11/2023 17:18				CCVL 480-695076/27 12/11/2023 17:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	0.00907	J	0.0100	91	0.00873	J	0.0100	87	0.00780	J	0.0100	78
Aluminum	0.226		0.200	113	0.209		0.200	104	0.200		0.200	100
Antimony	0.0204		0.0200	102	0.0197	J	0.0200	99	0.0176	J	0.0200	88
Arsenic	0.0157		0.0150	104	0.0155		0.0150	103	0.0153		0.0150	102
Barium	0.00206		0.00200	103	0.00205		0.00200	103	0.00190	J	0.00200	95
Beryllium	0.00209		0.00200	105	0.00204		0.00200	102	0.00187	J	0.00200	94
Cadmium	0.00200		0.00200	100	0.00210		0.00200	105	0.00190	J	0.00200	95
Calcium	0.515		0.500	103	0.505		0.500	101	0.474	J	0.500	95
Chromium	0.00400		0.00400	100	0.00425		0.00400	106	0.00387	J	0.00400	97
Cobalt	0.00402		0.00400	101	0.00393	J	0.00400	98	0.00377	J	0.00400	94
Copper	0.0101		0.0100	101	0.0103		0.0100	103	0.00975	J	0.0100	98
Iron	0.0508		0.0500	102	0.0473	J	0.0500	95	0.0455	J	0.0500	91
Magnesium	0.202		0.200	101	0.203		0.200	102	0.188	J	0.200	94
Manganese	0.00314		0.00300	105	0.00330		0.00300	110	0.00294	J	0.00300	98
Nickel	0.0101		0.0100	101	0.0101		0.0100	101	0.00932	J	0.0100	93
Potassium	0.496	J	0.500	99	0.549		0.500	110	0.605		0.500	121
Selenium	0.0268		0.0250	107	0.0242	J	0.0250	97	0.0238	J	0.0250	95
Sodium	1.03		1.01	102	1.13		1.01	112	1.19		1.01	118
Thallium	0.0203		0.0200	101	0.0202		0.0200	101	0.0172	J	0.0200	86
Vanadium	0.00489	J	0.00500	98	0.00485	J	0.00500	97	0.00485	J	0.00500	97
Zinc	0.0106		0.0100	106	0.0112		0.0100	112	0.0101		0.0100	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

ICV Source: MEI_10_CCVL_00508 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00508

Analyte	CCVL 480-694772/44 12/07/2023 19:01											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.260		0.200	130								
Antimony	0.0174	J	0.0200	87								
Arsenic	0.0144	J	0.0150	96								
Barium	0.00208		0.00200	104								
Beryllium	0.00211		0.00200	106								
Cadmium	0.00228		0.00200	114								
Calcium	0.518		0.500	104								
Chromium	0.00385	J	0.00400	96								
Cobalt	0.00386	J	0.00400	97								
Copper	0.0101		0.0100	101								
Iron	0.0554		0.0500	111								
Lead	0.0130		0.0100	~~130~~	No lead results reported from this analytical sequence							
Magnesium	0.200		0.200	100								
Manganese	0.00307		0.00300	102								
Nickel	0.0100		0.0100	100								
Potassium	0.601		0.500	120								
Selenium	0.0231	J	0.0250	92								
Silver	0.00593	J	0.00600	99								
Sodium	1.11		1.01	110								
Thallium	0.0198	J	0.0200	99								
Vanadium	0.00466	J	0.00500	93								
Zinc	0.00838	J	0.0100	84								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

ICV Source: MEI_10_CCVL_00508 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00508

Analyte	~~ICVL 480-694888/7~~ 12/08/2023 13:58				~~CCVL 480-694888/17~~ 12/08/2023 14:53				CCVL 480-694888/24 12/08/2023 15:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	0.0124		0.0100	~~124~~	0.0111		0.0100	111				
Potassium	0.474	J	0.500	95	0.438	J	0.500	88	0.640		0.500	128
Aluminum	0.225		0.200	112	0.223		0.200	111	0.237		0.200	118
Antimony	0.0185	J	0.0200	92	0.0191	J	0.0200	95	0.0208		0.0200	104
Arsenic	0.0180		0.0150	120	0.0171		0.0150	114	0.0184		0.0150	123
Barium	0.00213		0.00200	107	0.00208		0.00200	104	0.00208		0.00200	104
Beryllium	0.00183	J	0.00200	92	0.00191	J	0.00200	96	0.00207		0.00200	104
Cadmium	0.00209		0.00200	105	0.00204		0.00200	102	0.00194	J	0.00200	97
Calcium	0.539		0.500	108	0.521		0.500	104	0.526		0.500	105
Chromium	0.00293	J	0.00400	73	0.00326	J	0.00400	82	0.00338	J	0.00400	85
Cobalt	0.00378	J	0.00400	95	0.00382	J	0.00400	96	0.00368	J	0.00400	92
Copper	0.00770	J	0.0100	77	0.00962	J	0.0100	96	0.00780	J	0.0100	78
Iron	0.0455	J	0.0500	91	0.0447	J	0.0500	89	0.0465	J	0.0500	93
Magnesium	0.204		0.200	102	0.205		0.200	102	0.196	J	0.200	98
Manganese	0.00305		0.00300	102	0.00310		0.00300	103	0.00299	J	0.00300	100
Nickel	0.00976	J	0.0100	98	0.00995	J	0.0100	100	0.00980	J	0.0100	98
Selenium	0.0262		0.0250	105	0.0271		0.0250	109	0.0240	J	0.0250	96
Silver	0.00621		0.00600	104	0.00655		0.00600	109	0.00660		0.00600	110
Sodium	1.08		1.01	107	1.03		1.01	102	1.11		1.01	110
Thallium	0.0204		0.0200	102	0.0205		0.0200	103	0.0203		0.0200	102
Vanadium	0.00459	J	0.00500	92	0.00481	J	0.00500	96	0.00503		0.00500	101
Zinc	0.00933	J	0.0100	93	0.00861	J	0.0100	86	0.00864	J	0.0100	86

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

ICV Source: MEI_10_CCVL_00508 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00508

Analyte	CCVL 480-694888/36 12/08/2023 16:22				CCVL 480-694888/44 12/08/2023 17:06							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	0.0118		0.0100	118	0.0124		0.0100	124				
Potassium	0.589		0.500	118	0.492	J	0.500	98				
Aluminum	0.186	J	0.200	93	0.236		0.200	118				
Antimony	0.0183	J	0.0200	91	0.0191	J	0.0200	96				
Arsenic	0.0177		0.0150	118	0.0153		0.0150	102				
Barium	0.00208		0.00200	104	0.00212		0.00200	106				
Beryllium	0.00182	J	0.00200	91	0.00228		0.00200	114				
Cadmium	0.00215		0.00200	108	0.00208		0.00200	104				
Calcium	0.525		0.500	105	0.530		0.500	106				
Chromium	0.00302	J	0.00400	76	0.00325	J	0.00400	81				
Cobalt	0.00377	J	0.00400	94	0.00376	J	0.00400	94				
Copper	0.00826	J	0.0100	83	0.00878	J	0.0100	88				
Iron	0.0474	J	0.0500	95	0.0435	J	0.0500	87				
Magnesium	0.198	J	0.200	99	0.201		0.200	100				
Manganese	0.00305		0.00300	102	0.00303		0.00300	101				
Nickel	0.00983	J	0.0100	98	0.00980	J	0.0100	98				
Selenium	0.0233	J	0.0250	93	0.0257		0.0250	103				
Silver	0.00649		0.00600	108	0.00666		0.00600	111				
Sodium	1.10		1.01	109	1.13		1.01	112				
Thallium	0.0200		0.0200	100	0.0205		0.0200	103				
Vanadium	0.00520		0.00500	104	0.00498	J	0.00500	100				
Zinc	0.00883	J	0.0100	88	0.00876	J	0.0100	88				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG No.:

ICV Source: MEI_10_CCVL_00508 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00508

Analyte	CCVL 480-695113/37 12/11/2023 22:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.164	J	0.200	82								
Antimony	0.0205		0.0200	103								
Arsenic	0.0147	J	0.0150	98								
Barium	0.00198	J	0.00200	99								
Beryllium	0.00189	J	0.00200	95								
Cadmium	0.00215		0.00200	108								
Calcium	0.465	J	0.500	93								
Chromium	0.00364	J	0.00400	91								
Cobalt	0.00391	J	0.00400	98								
Copper	0.0104		0.0100	104								
Iron	0.0454	J	0.0500	91								
Lead	0.0102		0.0100	102								
Magnesium	0.201		0.200	100								
Manganese	0.00303		0.00300	101								
Nickel	0.0101		0.0100	101								
Potassium	0.395	J	0.500	79								
Selenium	0.0218	J	0.0250	87								
Silver	0.00657		0.00600	110								
Sodium	0.940	J	1.01	93								
Thallium	0.0205		0.0200	102								
Vanadium	0.00522		0.00500	104								
Zinc	0.0101		0.0100	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

ICV Source: MEI_10_CCVL_00509 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00509

Analyte	CCVL 480-695285/40 12/13/2023 03:41				CCVL 480-695285/44 12/13/2023 04:23							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.164	J	0.200	82	0.194	J	0.200	97				
Antimony	0.0179	J	0.0200	89	0.0184	J	0.0200	92				
Arsenic	0.0130	J	0.0150	87	0.0127	J	0.0150	85				
Barium	0.00207		0.00200	104	0.00210		0.00200	105				
Beryllium	0.00192	J	0.00200	96	0.00178	J	0.00200	89				
Cadmium	0.00189	J	0.00200	95	0.00189	J	0.00200	95				
Calcium	0.454	J	0.500	91	0.453	J	0.500	91				
Chromium	0.00365	J	0.00400	91	0.00385	J	0.00400	96				
Cobalt	0.00383	J	0.00400	96	0.00384	J	0.00400	96				
Copper	0.0105		0.0100	105	0.0104		0.0100	104				
Iron	0.0440	J	0.0500	88	0.0423	J	0.0500	85				
Lead	0.0101		0.0100	101	0.0108		0.0100	108				
Magnesium	0.209		0.200	105	0.210		0.200	105				
Manganese	0.00310		0.00300	103	0.00308		0.00300	103				
Nickel	0.00954	J	0.0100	95	0.00963	J	0.0100	96				
Potassium	0.350	J	0.500	70	0.501		0.500	100				
Selenium	0.0241	J	0.0250	96	0.0231	J	0.0250	92				
Silver	0.00581	J	0.00600	97	0.00636		0.00600	106				
Sodium	0.901	J	1.01	89	0.955	J	1.01	95				
Thallium	0.0209		0.0200	104	0.0209		0.0200	104				
Vanadium	0.00469	J	0.00500	94	0.00460	J	0.00500	92				
Zinc	0.0108		0.0100	108	0.0110		0.0100	110				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-694510/1-A

Instrument Code: ICAP2 Batch No.: 694772

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010C
7440-36-0	Antimony	ND			6010C
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-41-7	Beryllium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-70-2	Calcium	ND			6010C
7440-47-3	Chromium	ND			6010C
7440-48-4	Cobalt	ND			6010C
7440-50-8	Copper	ND			6010C
7439-89-6	Iron	0.0208	J		6010C
7439-92-1	Lead	ND		^+	6010C
7439-95-4	Magnesium	ND			6010C
7439-96-5	Manganese	ND			6010C
7440-02-0	Nickel	ND			6010C
7440-09-7	Potassium	ND		^+	6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-23-5	Sodium	ND			6010C
7440-28-0	Thallium	ND			6010C
7440-62-2	Vanadium	ND			6010C
7440-66-6	Zinc	ND			6010C

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215480-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-694816/1-A

Instrument Code: ICAP2 Batch No.: 695111

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010C
7440-36-0	Antimony	ND			6010C
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-41-7	Beryllium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-70-2	Calcium	ND			6010C
7440-47-3	Chromium	ND			6010C
7440-48-4	Cobalt	ND			6010C
7440-50-8	Copper	ND			6010C
7439-89-6	Iron	ND			6010C
7439-92-1	Lead	ND			6010C
7439-95-4	Magnesium	ND			6010C
7439-96-5	Manganese	0.000730	J		6010C
7440-02-0	Nickel	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-23-5	Sodium	ND			6010C
7440-28-0	Thallium	ND			6010C
7440-62-2	Vanadium	ND			6010C
7440-66-6	Zinc	ND			6010C

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-694825/1-A

Instrument Code: ICAP2 Batch No.: 695113

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			6010C
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-41-7	Beryllium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-70-2	Calcium	ND			6010C
7440-47-3	Chromium	ND			6010C
7440-48-4	Cobalt	ND			6010C
7440-50-8	Copper	ND			6010C
7439-89-6	Iron	ND			6010C
7439-92-1	Lead	ND			6010C
7439-95-4	Magnesium	ND			6010C
7439-96-5	Manganese	ND			6010C
7440-02-0	Nickel	ND			6010C
7440-09-7	Potassium	0.223	J		6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-23-5	Sodium	ND			6010C
7440-28-0	Thallium	ND			6010C
7440-62-2	Vanadium	ND			6010C
7440-66-6	Zinc	ND			6010C

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-694935/1-A

Instrument Code: LEEMAN4 Batch No.: 695006

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0000483	J		7470A

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-695024/1-A

Instrument Code: ICAP2 Batch No.: 695285

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010C
7440-36-0	Antimony	ND			6010C
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-41-7	Beryllium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-70-2	Calcium	ND			6010C
7440-47-3	Chromium	0.00522			6010C
7440-48-4	Cobalt	ND			6010C
7440-50-8	Copper	ND			6010C
7439-89-6	Iron	ND			6010C
7439-92-1	Lead	ND			6010C
7439-95-4	Magnesium	ND		^+	6010C
7439-96-5	Manganese	ND		^+	6010C
7440-02-0	Nickel	ND			6010C
7440-09-7	Potassium	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-23-5	Sodium	ND			6010C
7440-28-0	Thallium	ND			6010C
7440-62-2	Vanadium	ND			6010C
7440-66-6	Zinc	ND		^+	6010C

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-694936/1-A

Instrument Code: LEEMAN4 Batch No.: 695006

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0000483	J		7470A

FORM III-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-694888/6 12/08/2023 13:54		CCB 480-694888/16 12/08/2023 14:32		CCB 480-694888/23 12/08/2023 15:34		CCB 480-694888/35 12/08/2023 16:18	
		Found	C	Found	C	Found	C	Found	C
Lead	0.010	ND		ND		ND		ND	
Potassium	0.50	ND		ND		0.240	J	0.135	J
Aluminum	0.20	ND		ND		ND		ND	
Antimony	0.020	ND		ND		ND		ND	
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Calcium	0.50	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		ND		ND		ND	
Magnesium	0.20	ND		ND		ND		ND	
Manganese	0.0030	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Selenium	0.025	ND		ND		ND		ND	
Silver	0.0060	ND		ND		ND		ND	
Sodium	1.0	ND		ND		ND		ND	
Thallium	0.020	ND		ND		ND		ND	
Vanadium	0.0050	ND		ND		ND		ND	
Zinc	0.010	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-694888/43 12/08/2023 17:03							
		Found	C	Found	C	Found	C	Found	C
Lead	0.010	ND							
Potassium	0.50	0.122	J						
Aluminum	0.20	ND							
Antimony	0.020	ND							
Arsenic	0.015	ND							
Barium	0.0020	ND							
Beryllium	0.0020	ND							
Cadmium	0.0020	ND							
Calcium	0.50	ND							
Chromium	0.0040	ND							
Cobalt	0.0040	ND							
Copper	0.010	ND							
Iron	0.050	ND							
Magnesium	0.20	ND							
Manganese	0.0030	ND							
Nickel	0.010	ND							
Selenium	0.025	ND							
Silver	0.0060	ND							
Sodium	1.0	ND							
Thallium	0.020	ND							
Vanadium	0.0050	ND							
Zinc	0.010	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215480-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-695111/6 12/11/2023 14:03		CCB 480-695111/19 12/11/2023 18:25		CCB 480-695111/31 12/11/2023 19:07		CCB 480-695111/43 12/11/2023 19:47	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND		ND		ND	
Antimony	0.020	ND		ND		ND		ND	
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Calcium	0.50	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		ND		ND		ND	
Lead	0.010	ND		ND		ND		ND	
Magnesium	0.20	ND		ND		ND		ND	
Manganese	0.0030	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Selenium	0.025	ND		ND		ND		ND	
Silver	0.0060	ND		ND		0.00176	J	ND	
Sodium	1.0	ND		ND		ND		ND	
Thallium	0.020	ND		ND		ND		ND	
Vanadium	0.0050	ND		ND		ND		ND	
Zinc	0.010	ND		ND		ND		ND	
Potassium	0.50	ND		ND		0.168	J	ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-695285/43 12/13/2023 04:19							
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND							
Antimony	0.020	ND							
Arsenic	0.015	ND							
Barium	0.0020	ND							
Beryllium	0.0020	ND							
Cadmium	0.0020	ND							
Calcium	0.50	ND							
Chromium	0.0040	ND							
Cobalt	0.0040	ND							
Copper	0.010	ND							
Iron	0.050	ND							
Lead	0.010	ND							
Magnesium	0.20	ND							
Manganese	0.0030	ND							
Nickel	0.010	ND							
Potassium	0.50	0.104	J						
Selenium	0.025	ND							
Silver	0.0060	ND							
Sodium	1.0	ND							
Thallium	0.020	ND							
Vanadium	0.0050	ND							
Zinc	0.010	ND							

Italicized analytes were not requested for this sequence.

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

METALS

Client ID: QNSB-MW-110 MS | Lab ID: 480-215440-1 MS

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Matrix: Water | Concentration Units: mg/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10.09		0.076	J	10.0	100	75-125		6010C
Antimony	0.218		ND		0.200	109	75-125		6010C
Arsenic	0.218		ND		0.200	109	75-125		6010C
Barium	0.473		0.15		0.200	161	75-125	F1	6010C
Beryllium	0.227		ND		0.200	114	75-125		6010C
Cadmium	0.214		ND		0.200	107	75-125		6010C
Calcium	112.3		7.8		10.0	1043	75-125	F1	6010C
Chromium	0.207		0.0037	J	0.200	101	75-125		6010C
Cobalt	0.211		ND		0.200	106	75-125		6010C
Copper	0.206		ND		0.200	103	75-125		6010C
Iron	14.26		0.086		10.0	142	75-125	F1	6010C
Lead	0.226		ND		0.200	113	75-125		6010C
Magnesium	58.71		8.3		10.0	504	75-125	F1	6010C
Manganese	0.344		0.0019	J	0.200	171	75-125	F1	6010C
Nickel	0.215		ND		0.200	108	75-125		6010C
~~Potassium~~	49.10		49.0		10.0	~~1~~	75-125	4	6010C
Selenium	0.212		0.0097	J	0.200	101	75-125		6010C
Silver	0.0503		ND		0.0500	101	75-125		6010C
~~Sodium~~	101.3		77.0		10.0	~~244~~	75-125	4	6010C
Thallium	0.212		ND		0.200	106	75-125		6010C
Vanadium	0.211		0.0015	J	0.200	106	75-125		6010C
Zinc	0.201		ND		0.200	101	75-125		6010C
Mercury	0.00709		ND		0.00669	106	80-120		7470A

SSR = Spiked Sample Result

"4" qualifier indicates the sample concentration was >4× the spike concentration; not usable for sample qualification and not included in the evaluation.

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: QNSB-MW-110 MSD Lab ID: 480-215440-1 MSD

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Matrix: Water Concentration Units: mg/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	9.76		10.0	97	75-125	3	20		6010C
Antimony	0.210		0.200	105	75-125	4	20		6010C
Arsenic	0.208		0.200	104	75-125	4	20		6010C
Barium	0.460		0.200	154	75-125	3	20	F1	6010C
Beryllium	0.218		0.200	109	75-125	4	20		6010C
Cadmium	0.206		0.200	103	75-125	4	20		6010C
Calcium	107.4		10.0	995	75-125	4	20	F1	6010C
Chromium	0.199		0.200	98	75-125	4	20		6010C
Cobalt	0.204		0.200	102	75-125	4	20		6010C
Copper	0.200		0.200	100	75-125	3	20		6010C
Iron	13.70		10.0	136	75-125	4	20	F1	6010C
Lead	0.211		0.200	106	75-125	7	20		6010C
Magnesium	57.01		10.0	487	75-125	3	20	F1	6010C
Manganese	0.330		0.200	164	75-125	4	20	F1	6010C
Nickel	0.208		0.200	104	75-125	4	20		6010C
~~Potassium~~	47.74		10.0	-13	75-125	3	20	4	6010C
Selenium	0.207		0.200	99	75-125	2	20		6010C
Silver	0.0492		0.0500	98	75-125	2	20		6010C
~~Sodium~~	98.21		10.0	212	75-125	3	20	4	6010C
Thallium	0.206		0.200	103	75-125	3	20		6010C
Vanadium	0.205		0.200	102	75-125	3	20		6010C
Zinc	0.194		0.200	97	75-125	3	20		6010C
Mercury	0.00702		0.00669	105	80-120	1	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: QNSB-MW-102 MS | Lab ID: 480-215528-3 MS

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Matrix: Water | Concentration Units: mg/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10.92		ND		10.0	109	75-125		6010C
Antimony	0.220		ND		0.200	110	75-125		6010C
Arsenic	0.214		ND		0.200	107	75-125		6010C
Barium	0.298		0.11		0.200	95	75-125		6010C
Beryllium	0.231		ND		0.200	115	75-125		6010C
Cadmium	0.214		ND		0.200	107	75-125		6010C
~~Calcium~~	188.5		166		10.0	~~229~~	75-125	4	6010C
Chromium	0.187		0.0016	J	0.200	93	75-125		6010C
Cobalt	0.215		0.0050		0.200	105	75-125		6010C
Copper	0.203		0.0050	J	0.200	99	75-125		6010C
Iron	11.23		0.52		10.0	107	75-125		6010C
Lead	0.216		ND		0.200	108	75-125		6010C
~~Magnesium~~	59.53		54.0		10.0	~~55~~	75-125	4	6010C
Manganese	0.615		0.48		0.200	70	75-125	F1	6010C
Nickel	0.221		0.0065	J	0.200	107	75-125		6010C
Potassium	16.19		6.2		10.0	100	75-125		6010C
Selenium	0.200		ND		0.200	100	75-125		6010C
Silver	0.0524		ND		0.0500	105	75-125		6010C
Sodium	34.72		23.6		10.0	112	75-125		6010C
Thallium	0.214		ND		0.200	107	75-125		6010C
Vanadium	0.209		ND		0.200	105	75-125		6010C
Zinc	0.212		0.018		0.200	97	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: QNSB-MW-102 MSD Lab ID: 480-215528-3 MSD

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG No.:

Matrix: Water Concentration Units: mg/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	10.36		10.0	104	75-125	5	20		6010C
Antimony	0.223		0.200	112	75-125	1	20		6010C
Arsenic	0.214		0.200	107	75-125	0	20		6010C
Barium	0.303		0.200	97	75-125	2	20		6010C
Beryllium	0.219		0.200	110	75-125	5	20		6010C
Cadmium	0.216		0.200	108	75-125	1	20		6010C
~~Calcium~~	180.3		10.0	147	75-125	4	20	4	6010C
Chromium	0.185		0.200	92	75-125	1	20		6010C
Cobalt	0.215		0.200	105	75-125	0	20		6010C
Copper	0.207		0.200	101	75-125	2	20		6010C
Iron	10.82		10.0	103	75-125	4	20		6010C
Lead	0.215		0.200	108	75-125	1	20		6010C
~~Magnesium~~	59.61		10.0	56	75-125	0	20	4	6010C
Manganese	0.621		0.200	73	75-125	1	20	F1	6010C
Nickel	0.220		0.200	107	75-125	0	20		6010C
Potassium	15.83		10.0	96	75-125	2	20		6010C
Selenium	0.201		0.200	101	75-125	1	20		6010C
Silver	0.0511		0.0500	102	75-125	2	20		6010C
Sodium	33.48		10.0	99	75-125	4	20		6010C
Thallium	0.215		0.200	108	75-125	0	20		6010C
Vanadium	0.206		0.200	103	75-125	2	20		6010C
Zinc	0.206		0.200	94	75-125	3	20		6010C

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: QNSB-MW-102 PDS Lab ID: 480-215528-3 PDS

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG No.:

Matrix: Water Concentration Units: mg/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10.77		ND		10.0	108	80-120		6010C
Antimony	0.231		ND		0.200	116	80-120		6010C
Arsenic	0.223		ND		0.200	111	80-120		6010C
Barium	0.307		0.11		0.200	99	80-120		6010C
Beryllium	0.230		ND		0.200	115	80-120		6010C
Cadmium	0.223		ND		0.200	111	80-120		6010C
Calcium	176.9		166		10.0	NC	80-120		6010C
Chromium	0.193		0.0016	J	0.200	96	80-120		6010C
Cobalt	0.223		0.0050		0.200	109	80-120		6010C
Copper	0.214		0.0050	J	0.200	104	80-120		6010C
Iron	11.36		0.52		10.0	108	80-120		6010C
Lead	0.223		ND		0.200	111	80-120		6010C
Magnesium	57.82		54.0		10.0	38	80-120	W	6010C
Manganese	0.611		0.48		0.200	68	80-120	W	6010C
Nickel	0.228		0.0065	J	0.200	111	80-120		6010C
Potassium	16.10		6.2		10.0	99	80-120		6010C
Selenium	0.213		ND		0.200	106	80-120		6010C
Silver	0.0494		ND		0.0500	99	80-120		6010C
Sodium	33.36		23.6		10.0	98	80-120		6010C
Thallium	0.222		ND		0.200	111	80-120		6010C
Vanadium	0.214		ND		0.200	107	80-120		6010C
Zinc	0.217		0.018		0.200	99	80-120		6010C

SSR = Spiked Sample Result

Only the manganese results were applied, since all other usable results met criteria in the MS/MSD.

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

Data Usability Summary Report

Site: Queensbury Landfill
Laboratory: Eurofins - Buffalo, Amherst, NY
SDG Nos.: 480-215440-1, 480-215480-1 (Revision 1), 480-215528-1, 480-215576-1
Parameter: 1,4-Dioxane
Data Reviewer: David DiGena-Segal/TRC
Peer Reviewer: Elizabeth Denly /TRC
Date: March 6, 2024

Samples Reviewed and Evaluation Summary

SDG 480-215440-1:

2 Groundwater Samples: QNSB-MW-110, QNSB-DUP-01*

*Field duplicate of QNSB-MW-110

SDG 480-215480-1 (Revision 1):

6 Groundwater Samples: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108, QNSB-MW-109

SDG 480-215528-1:

3 Groundwater Samples: QNSB-MW-101, QNSB-MW-102, QNSB-MW-103

1 Equipment Blank: EB-01

SDG 480-215576-1:

2 Groundwater Samples: QNSB-BMW-101, QNSB-BMW-102

1 Equipment Blank: QNSB-EB-02

The above-listed samples were collected on December 5-8, 2023 and were analyzed for 1,4-dioxane by SW-846 Method 8270E using selective ion monitoring (SIM)/isotope dilution.

The data validation was performed in accordance with the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA-540-R-20-005), November 2020, modified for the methodology utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
* - Holding Times and Sample Preservation
* - Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
* - Initial and Continuing Calibrations
* - Blanks
* - Surrogate Recoveries

*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	Laboratory Duplicate Results
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	•	Field Duplicate Results
*	•	Internal Standard Performance
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification

* - All criteria were met.
NA - A laboratory duplicate analysis was not performed on a sample in this data set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualification of the data as a result of sampling error was not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for the 1,4-dioxane result in sample QNSB-MW-107 which was detected between the method detection limit (MDL) and QL. This result was qualified as estimated (J) in sample QNSB-MW-107 by the laboratory. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

Data Completeness

The data packages were complete Level IV data deliverable packages with the following exceptions.

- In SDG 480-215440-1, samples QNSB-MW-104 and QNSB-MW-105 were listed on the chain-of-custody (COC) for 1,4-dioxane analyses, these samples were analyzed in SDG 480-215480-1.

- In SDG 480-215480-1, samples QNSB-MW-104 and QNSB-MW-105 were listed twice on the COCs but with the same collection dates and times. Only one set of results was reported for each sample.

- In SDG 480-215480-1, the COC did not include a sample collection time for sample QNSB-MW-106; the collection time was entered by the laboratory as 00:00.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All percent relative standard deviations and relative response factors (RRFs) were within the method acceptance criteria in the initial calibration associated with the samples in this data set. All RRFs and percent differences were within the acceptance criteria in the continuing calibration standards associated with the samples in this data set.

Blanks

Target analytes were not detected in the laboratory method blanks or equipment blanks associated with the samples in this data set.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample QNSB-MW-110. The MS/MSD percent recoveries (%Rs) and relative percent differences (RPDs) met the laboratory acceptance criteria.

Laboratory Duplicate Results

A laboratory duplicate analysis was not performed on a sample in this data set.

LCS/LCSD Results

The LCS and LCSD %Rs and RPDs were within the laboratory acceptance criteria for the 1,4-dioxane analyses.

Field Duplicate Results

Samples QNSB-MW-110 and QNSB-DUP-01 were submitted as the field duplicate pair with this data set. The RPD acceptance limit for field duplicates in aqueous media is ≤30%. The RPD is not applicable for comparison of results <5x the QL; instead, comparison is based on the absolute difference (AbsD) between the results, which must be ≤QL. The following table summarizes the RPD of 1,4-dioxane in the field duplicate pair, and the resulting validation actions.

Compound	QL (µg/L)	QNSB-MW-110 (µg/L)	QNSB-DUP-01 (µg/L)	RPD (%)	Validation Actions
1,4-Dioxane	0.22	2.7	2.7	0.0	None; all criteria were met.

Internal Standard Performance

All criteria were met in the 1,4-dioxane analyses.

Sample Results and Reported Quantitation Limits

The 1,4-dioxane result was reported between the MDL and QL in sample QNSB-MW-107. This result was qualified as estimated (J) in sample QNSB-MW-107 by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

No dilutions were performed for this sample set.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215440-1

Matrix: Water | Lab File ID: U000001870.d

Analysis Method: 8270D SIM ID | Date Collected: 12/05/2023 14:30

Extract. Method: 3510C | Date Extracted: 12/06/2023 14:31

Sample wt/vol: 230(mL) | Date Analyzed: 12/07/2023 15:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694563 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	2.7		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	32		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Matrix: Water | Lab File ID: U000001875.d

Analysis Method: 8270D SIM ID | Date Collected: 12/05/2023 12:00

Extract. Method: 3510C | Date Extracted: 12/06/2023 14:31

Sample wt/vol: 230(mL) | Date Analyzed: 12/07/2023 17:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694563 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	2.7		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	42		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: U000001893.d

Analysis Method: 8270D SIM ID | Date Collected: 12/05/2023 11:20

Extract. Method: 3510C | Date Extracted: 12/07/2023 14:26

Sample wt/vol: 230(mL) | Date Analyzed: 12/08/2023 15:57

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694778 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.1		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	37		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: U000001894.d

Analysis Method: 8270D SIM ID | Date Collected: 12/05/2023 11:40

Extract. Method: 3510C | Date Extracted: 12/07/2023 14:26

Sample wt/vol: 230(mL) | Date Analyzed: 12/08/2023 16:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694778 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.90		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	43		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: U000001895.d

Analysis Method: 8270D SIM ID | Date Collected: 12/06/2023 00:00

Extract. Method: 3510C | Date Extracted: 12/07/2023 14:26

Sample wt/vol: 230(mL) | Date Analyzed: 12/08/2023 16:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694778 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.81		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	37		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: U000001896.d

Analysis Method: 8270D SIM ID | Date Collected: 12/06/2023 14:45

Extract. Method: 3510C | Date Extracted: 12/07/2023 14:26

Sample wt/vol: 230(mL) | Date Analyzed: 12/08/2023 17:02

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694778 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.16	J	0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	46		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: U000001897.d

Analysis Method: 8270D SIM ID | Date Collected: 12/06/2023 11:40

Extract. Method: 3510C | Date Extracted: 12/07/2023 14:26

Sample wt/vol: 230(mL) | Date Analyzed: 12/08/2023 17:24

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694778 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.38		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	37		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: U000001898.d

Analysis Method: 8270D SIM ID | Date Collected: 12/06/2023 10:50

Extract. Method: 3510C | Date Extracted: 12/07/2023 14:26

Sample wt/vol: 230(mL) | Date Analyzed: 12/08/2023 17:45

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694778 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	44		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: U000001981.d

Analysis Method: 8270D SIM ID | Date Collected: 12/07/2023 08:30

Extract. Method: 3510C | Date Extracted: 12/11/2023 09:42

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 19:26

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695090 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.21	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	38		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: U000001982.d

Analysis Method: 8270D SIM ID | Date Collected: 12/07/2023 14:15

Extract. Method: 3510C | Date Extracted: 12/11/2023 09:42

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 19:48

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695090 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.47		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	42		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: U000001983.d

Analysis Method: 8270D SIM ID | Date Collected: 12/07/2023 11:35

Extract. Method: 3510C | Date Extracted: 12/11/2023 09:42

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 20:10

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695090 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.92		0.21	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	44		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: U000001984.d

Analysis Method: 8270D SIM ID | Date Collected: 12/07/2023 11:35

Extract. Method: 3510C | Date Extracted: 12/11/2023 09:42

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 20:32

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695090 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.21	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	42		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: U000001991.d

Analysis Method: 8270D SIM ID | Date Collected: 12/08/2023 12:05

Extract. Method: 3510C | Date Extracted: 12/11/2023 09:42

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 23:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695090 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.21	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	42		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: U000001992.d

Analysis Method: 8270D SIM ID | Date Collected: 12/08/2023 10:15

Extract. Method: 3510C | Date Extracted: 12/11/2023 09:42

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 23:31

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695090 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.21	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	46		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: U000001993.d

Analysis Method: 8270D SIM ID | Date Collected: 12/08/2023 08:36

Extract. Method: 3510C | Date Extracted: 12/11/2023 09:42

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 23:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695090 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.21	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	45		15-110

Data Usability Summary Report

Site: Queensbury Landfill Site No. 557005
Laboratory: Eurofins - Buffalo, Amherst, NY
SDG Nos.: 480-215440-1, 480-215480-1 (Revision 1), 480-215528-1, 480-215576-1
Parameter: Polychlorinated Biphenyls (PCBs)
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: March 11, 2024

Samples Reviewed and Evaluation Summary

SDG 480-215440-1:

2 Groundwater Samples: QNSB-MW-110, QNSB-DUP-01*

*Field duplicate of QNSB-MW-110

SDG 480-215480-1 (Revision 1):

6 Groundwater Samples: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108, QNSB-MW-109

SDG 480-215528-1:

3 Groundwater Samples: QNSB-MW-101, QNSB-MW-102, QNSB-MW-103

1 Equipment Blank: EB-01

SDG 480-215576-1:

2 Groundwater Samples: QNSB-BMW-101, QNSB-BMW-102

1 Equipment Blank: QNSB-EB-02

The above-listed samples were collected on December 5-8, 2023 and were analyzed for PCB Aroclors by SW-846 Methods 3510C/8082A.

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005),* November 2020, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
• Data Completeness
* • Holding Times and Sample Preservation
• Initial and Continuing Calibrations
* • Blanks
* • Surrogate Recoveries
* • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

* • Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results
* • Field Duplicate Results
* • Internal Standard Performance
* • Sample Results and Reported Quantitation Limits (QLs)
* • Target Compound Identification

* - All criteria were met.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualification of the data as a result of sampling and analytical error was not required.

Data Completeness

The data packages were complete Category B data deliverables with the following exceptions:

- In SDG 480-215440-1, samples QNSB-MW-104 and QNSB-MW-105 were listed on the chain-of-custody (COC) for analysis; however, these samples were analyzed in SDG 480-215480-1.

- In SDG 480-215480-1, samples QNSB-MW-104 and QNSB-MW-105 were listed twice on the COCs but with the same collection dates and times. Only one set of results was reported for each sample.

- In SDG 480-215480-1, the COC did not include a sample collection time for sample QNSB-MW-106; the collection time was entered by the laboratory as 00:00.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

Initial and Continuing Calibrations

The percent relative standard deviations and correlation coefficients of all PCB Aroclors were within the acceptance criteria in all initial calibrations.

The percent differences or percent drifts (%Ds) were within the acceptance criteria (±20%) in the continuing calibration verification (CCV) standards associated with the field samples in this data set with the following exceptions.

- On column 1 (ZB-5) in CCVIS 480-695054/6, the %Ds for all five peaks for Aroclor 1254 (ranging from -21.1 to -29.2%) and on column 1 (ZB-5) in CCVIS 480-695054/7, the %Ds for four of five peaks for Aroclor 1262 (ranging from -21.1 to -26.6%) were outside of the acceptance criteria. Both CCVs were associated with all samples in SDGs 480-215480-1 and 480-215576-1. No validation actions were required on this basis since the %Ds for all peaks for Aroclors 1254 and 1262 on column 2 (ZB-35) were <20% and since Aroclors 1254 and 1262 were not detected in the associated samples.

- On column 1 (ZB-5) in CCVIS 480-695379/5, the %D for peak 3 for Aroclor 1016 (20.3%) was outside of the acceptance criteria. This CCV was associated with all samples in SDG 480-215528-1 except sample QNSB-MW-103. No validation actions were required on this basis

since the %Ds for all peaks for Aroclor 1016 on column 2 (ZB-35) were <20% and since Aroclor 1016 was not detected in the associated samples.

- On column 1 (ZB-5) in CCVIS 480-695379/6, the %D for peak 3 for Aroclor 1221 (20.9%) was outside of the acceptance criteria. This CCV was associated with all samples in SDG 480-215528-1. No validation actions were required on this basis since the %Ds for all peaks for Aroclor 1221 on column 2 (ZB-35) were <20% and since Aroclor 1221 was not detected in the associated samples.

Initial calibration verification (ICV) standards were not reviewed since the ICVs did not immediately precede any sample analyses in this data set.

Blanks

Target compounds were not detected in the method blanks or equipment blanks associated with the samples in this data set.

Surrogate Recoveries

The surrogate percent recoveries (%Rs) met the laboratory acceptance criteria for the samples in this data set.

MS/MSD Results

MS/MSD analyses were performed on sample QNSB-MW-110. The %Rs and relative percent differences (RPDs) met the laboratory acceptance criteria.

LCS/LCSD Results

An LCS and/or LCSD were extracted and analyzed with each extraction batch. The %Rs and RPDs, where applicable, met the laboratory acceptance criteria.

Field Duplicate Results

Samples QNSB-MW-110 and QNSB-DUP-01 were submitted as the field duplicate pair with this data set. Target PCB Aroclors were not detected in either sample; thus, no further evaluation or validation actions were required.

Internal Standard Performance

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted. No dilutions were performed on the samples in this data set.

Target Compound Identification

All criteria were met.

Per SW-846 Method 8082A, each Aroclor should have at least one unique peak on each column. However, Aroclors 1232 and 1242 were not calibrated using at least one unique peak on either column. No validation actions were taken on this basis and the laboratory was not contacted about this issue since no PCB Aroclors were detected in the samples in this data set.

QUALIFIED FORM 1s

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215440-1

Matrix: Water | Lab File ID: 7_165-287.D

Analysis Method: 8082A | Date Collected: 12/05/2023 14:30

Extraction Method: 3510C | Date Extracted: 12/07/2023 09:17

Sample wt/vol: 250(mL) | Date Analyzed: 12/07/2023 19:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 694650 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		39-121
2051-24-3	DCB Decachlorobiphenyl	56		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Matrix: Water | Lab File ID: 7_165-288.D

Analysis Method: 8082A | Date Collected: 12/05/2023 12:00

Extraction Method: 3510C | Date Extracted: 12/07/2023 09:17

Sample wt/vol: 250(mL) | Date Analyzed: 12/07/2023 19:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 694650 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		39-121
2051-24-3	DCB Decachlorobiphenyl	74		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: 7_165-362.D

Analysis Method: 8082A | Date Collected: 12/05/2023 11:20

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 17:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		39-121
2051-24-3	DCB Decachlorobiphenyl	79		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: 7_165-363.D

Analysis Method: 8082A | Date Collected: 12/05/2023 11:40

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 17:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		39-121
2051-24-3	DCB Decachlorobiphenyl	46		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: 7_165-364.D

Analysis Method: 8082A | Date Collected: 12/06/2023 00:00

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 18:13

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		39-121
2051-24-3	DCB Decachlorobiphenyl	47		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: 7_165-365.D

Analysis Method: 8082A | Date Collected: 12/06/2023 14:45

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 18:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		39-121
2051-24-3	DCB Decachlorobiphenyl	110		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: 7_165-366.D

Analysis Method: 8082A | Date Collected: 12/06/2023 11:40

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 18:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		39-121
2051-24-3	DCB Decachlorobiphenyl	85		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: 7_165-367.D

Analysis Method: 8082A | Date Collected: 12/06/2023 10:50

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 19:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		39-121
2051-24-3	DCB Decachlorobiphenyl	77		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: 7_166-028.D

Analysis Method: 8082A | Date Collected: 12/07/2023 08:30

Extraction Method: 3510C | Date Extracted: 12/13/2023 14:20

Sample wt/vol: 230(mL) | Date Analyzed: 12/14/2023 15:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695379 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.54	0.19
11104-28-2	PCB-1221	ND		0.54	0.19
11141-16-5	PCB-1232	ND		0.54	0.19
53469-21-9	PCB-1242	ND		0.54	0.19
12672-29-6	PCB-1248	ND		0.54	0.19
11097-69-1	PCB-1254	ND		0.54	0.27
11096-82-5	PCB-1260	ND		0.54	0.27

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		39-121
2051-24-3	DCB Decachlorobiphenyl	86		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: 7_166-029.D

Analysis Method: 8082A | Date Collected: 12/07/2023 14:15

Extraction Method: 3510C | Date Extracted: 12/13/2023 14:20

Sample wt/vol: 250(mL) | Date Analyzed: 12/14/2023 15:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695379 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		39-121
2051-24-3	DCB Decachlorobiphenyl	88		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: 7_166-030.D

Analysis Method: 8082A | Date Collected: 12/07/2023 11:35

Extraction Method: 3510C | Date Extracted: 12/13/2023 14:20

Sample wt/vol: 250(mL) | Date Analyzed: 12/14/2023 15:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695379 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		39-121
2051-24-3	DCB Decachlorobiphenyl	81		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: 7_166-033.D

Analysis Method: 8082A | Date Collected: 12/07/2023 11:35

Extraction Method: 3510C | Date Extracted: 12/13/2023 14:20

Sample wt/vol: 230(mL) | Date Analyzed: 12/14/2023 16:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695379 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.54	0.19
11104-28-2	PCB-1221	ND		0.54	0.19
11141-16-5	PCB-1232	ND		0.54	0.19
53469-21-9	PCB-1242	ND		0.54	0.19
12672-29-6	PCB-1248	ND		0.54	0.19
11097-69-1	PCB-1254	ND		0.54	0.27
11096-82-5	PCB-1260	ND		0.54	0.27

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		39-121
2051-24-3	DCB Decachlorobiphenyl	80		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: 7_165-376.D

Analysis Method: 8082A | Date Collected: 12/08/2023 12:05

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 21:44

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72		39-121
2051-24-3	DCB Decachlorobiphenyl	57		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: 7_165-377.D

Analysis Method: 8082A | Date Collected: 12/08/2023 10:15

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 22:02

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		39-121
2051-24-3	DCB Decachlorobiphenyl	79		19-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: 7_165-378.D

Analysis Method: 8082A | Date Collected: 12/08/2023 08:36

Extraction Method: 3510C | Date Extracted: 12/12/2023 09:05

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 22:19

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 695054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		39-121
2051-24-3	DCB Decachlorobiphenyl	94		19-120

QC NONCONFORMANCE DOCUMENTATION

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1 and 480-215576-1

SDG No.:

Lab Sample ID: CCV 480-695054/6 | Calibration Date: 12/12/2023 09:27

Instrument ID: HP6890-7 | Calib Start Date: 11/28/2023 14:57

GC Column: ZB-5 ID: 0.53(mm) | Calib End Date: 11/28/2023 15:32

Lab File ID: 7_165-334.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		0.0074		0.529	0.504	4.9	20.0
PCB-1221 Peak 2	Lin2		0.0131		0.490	0.504	-2.7	20.0
PCB-1221 Peak 3	Lin2		0.0079		0.515	0.504	2.1	20.0
PCB-1221 Peak 4	Lin2		0.0302		0.496	0.504	-1.7	20.0
PCB-1254 Peak 1	Lin2		0.0414		0.398	0.504	-21.1*	20.0
PCB-1254 Peak 2	Ave	0.0815	0.0577		0.357	0.504	-29.2*	20.0
PCB-1254 Peak 3	Ave	0.0934	0.0694		0.375	0.504	-25.7*	20.0
PCB-1254 Peak 4	Ave	0.0965	0.0714		0.373	0.504	-26.0*	20.0
PCB-1254 Peak 5	Lin1		0.0603		0.398	0.504	-21.1*	20.0

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1 and 480-215576-1

SDG No.:

Lab Sample ID: CCV 480-695054/7 | Calibration Date: 12/12/2023 09:44

Instrument ID: HP6890-7 | Calib Start Date: 11/28/2023 16:07

GC Column: ZB-5 ID: 0.53(mm) | Calib End Date: 11/28/2023 16:42

Lab File ID: 7_165-335.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		0.0254		0.538	0.505	6.6	20.0
PCB-1232 Peak 2	Ave	0.0315	0.0289		0.464	0.505	-8.2	20.0
PCB-1232 Peak 3	Lin2		0.0175		0.507	0.505	0.4	20.0
PCB-1232 Peak 4	Ave	0.0124	0.0119		0.486	0.505	-3.7	20.0
PCB-1232 Peak 5	Lin2		0.0112		0.479	0.505	-5.1	20.0
PCB-1262 Peak 1	Lin2		0.0391		0.368	0.502	-26.6*	20.0
PCB-1262 Peak 2	Lin2		0.0431		0.381	0.502	-24.1*	20.0
PCB-1262 Peak 3	Lin2		0.0625		0.385	0.502	-23.4*	20.0
PCB-1262 Peak 4	Lin2		0.1231		0.396	0.502	-21.1*	20.0
PCB-1262 Peak 5	Lin2		0.0544		0.433	0.502	-13.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Lab Sample ID: CCV 480-695379/6 | Calibration Date: 12/14/2023 08:40

Instrument ID: HP6890-7 | Calib Start Date: 11/28/2023 14:57

GC Column: ZB-5 ID: 0.53(mm) | Calib End Date: 11/28/2023 15:32

Lab File ID: 7_166-006.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		0.0080		0.567	0.504	12.5	20.0
PCB-1221 Peak 2	Lin2		0.0153		0.576	0.504	14.2	20.0
PCB-1221 Peak 3	Lin2		0.0093		0.609	0.504	20.9*	20.0
PCB-1221 Peak 4	Lin2		0.0349		0.576	0.504	14.2	20.0
PCB-1254 Peak 1	Lin2		0.0512		0.493	0.504	-2.2	20.0
PCB-1254 Peak 2	Ave	0.0815	0.0723		0.447	0.504	-11.3	20.0
PCB-1254 Peak 3	Ave	0.0934	0.0774		0.418	0.504	-17.1	20.0
PCB-1254 Peak 4	Ave	0.0965	0.0914		0.478	0.504	-5.2	20.0
PCB-1254 Peak 5	Lin1		0.0773		0.510	0.504	1.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Lab Sample ID: CCVIS 480-695379/5 | Calibration Date: 12/14/2023 08:23

Instrument ID: HP6890-7 | Calib Start Date: 11/28/2023 12:01

GC Column: ZB-5 ID: 0.53(mm) | Calib End Date: 11/28/2023 13:47

Lab File ID: 7_166-005.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0261	0.0301		0.577	0.500	15.3	20.0
PCB-1016 Peak 2	Ave	0.0303	0.0329		0.543	0.500	8.6	20.0
PCB-1016 Peak 3	Lin1		0.0765		0.601	0.500	20.3*	20.0
PCB-1016 Peak 4	Lin1		0.0240		0.484	0.500	-3.2	20.0
PCB-1016 Peak 5	Ave	0.0319	0.0327		0.512	0.500	2.5	20.0
PCB-1260 Peak 1	Lin1		0.0641		0.533	0.500	6.5	20.0
PCB-1260 Peak 2	Lin1		0.0709		0.541	0.500	8.1	20.0
PCB-1260 Peak 3	Lin1		0.0878		0.572	0.500	14.3	20.0
PCB-1260 Peak 4	Lin1		0.0541		0.564	0.500	12.8	20.0
PCB-1260 Peak 5	Ave	0.1268	0.1425		0.562	0.500	12.4	20.0
Tetrachloro-m-xylene	Lin1		1.430		0.0135	0.0125	8.3	20.0
DCB Decachlorobiphenyl	Lin1		0.9454		0.0106	0.0125	-15.2	20.0

Data Usability Summary Report

Site: Queensbury Landfill Site No. 557005
Laboratory: Eurofins - Buffalo, Amherst, NY
SDG Nos.: 480-215440-1, 480-215480-1 (Revision 1), 480-215528-1, 480-215576-1
Parameters: Semi-Volatile Organic Compounds (SVOCs)
Data Reviewer: David DiGena-Segal/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: March 11, 2024

Samples Reviewed and Evaluation Summary

SDG 480-215440-1:

2 Groundwater Samples: QNSB-MW-110, QNSB-DUP-01*

*Field duplicate of QNSB-MW-110

SDG 480-215480-1 (Revision 1):

6 Groundwater Samples: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108, QNSB-MW-109

SDG 480-215528-1:

3 Groundwater Samples: QNSB-MW-101, QNSB-MW-102, QNSB-MW-103

1 Equipment Blank: EB-01

SDG 480-215576-1:

2 Groundwater Samples: QNSB-BMW-101, QNSB-BMW-102

1 Equipment Blank: QNSB-EB-02

The above-listed samples were collected on December 5-8, 2023 and were analyzed for SVOCs by SW-846 Method 8270D. The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005),* November 2020, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- * Holding Times and Sample Preservation
- * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- * Surrogate Recoveries
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

* • Internal Standards
* • Field Duplicate Results
• Sample Results and Reported Quantitation Limits (QLs)
* • Target Compound Identification

* - All criteria were met.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualification of the data as a result of sampling error was not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for the di-n-octylphthalate result in sample QNSB-MW-105 that was below the lowest calibration standard and QL. This result was qualified as estimated (J) by the laboratory. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- The nondetect results for select SVOCs in select samples were qualified as estimated (UJ) due to continuing calibration (CC) nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for di-n-butyl phthalate were qualified as nondetect in all samples in SDGs 480-215480-1 and 480-215528-1 due to method blank contamination. These results can be used for project objectives as a nondetects, which may have a minor impact on the data usability.

Data Completeness

The data packages were complete Level IV data deliverable packages with the following exceptions.

- In SDG 480-215440-1, samples QNSB-MW-104 and QNSB-MW-105 were listed on the chain-of-custody (COC) for SVOC analyses, these samples were analyzed in SDG 480-215480-1.

- In SDG 480-215480-1, samples QNSB-MW-104 and QNSB-MW-105 were listed twice on the COCs but with the same collection dates and times. Only one set of results was reported for each sample.

- In SDG 480-215480-1, the COC did not include a sample collection time for sample QNSB-MW-106; the collection time was entered by the laboratory as 00:00.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All percent relative standard deviations, correlation coefficients, and relative response factors (RRFs) for target compounds were within the method acceptance criteria in the initial calibrations associated with the samples in this data set.

Initial calibration verification (ICV) standard results were not reviewed or summarized in this report since the ICVs did not immediately precede any sample analyses.

The following table summarizes the %Ds in the CCs that did not meet the method acceptance criteria and the associated samples. All RRFs were met in the CCs.

CC	Compound	%D	Action
CCVIS 480-694554/3 12/07/23	Hexachlorocyclopentadiene	-23.5	The nondetect results for the listed SVOCs were qualified as estimated (UJ) in the associated samples.
	2,4-Dinitrophenol	-36.5	
	Pentachlorophenol	-56.2	
	Carbazole	-25.0	
Associated samples: All samples in SDG 480-215440-1			
CCVIS 480-695050/3 12/12/23	bis (2-chloroisopropyl) ether	-20.8	The nondetect results for the listed SVOCs were qualified as estimated (UJ) in the associated samples.
	Pentachlorophenol	-27.5	
Associated samples: All samples in SDG 480-215480-1, EB-01, QNSB-MW-101			
CCVIS 480-695058/3 12/12/23	bis (2-chloroisopropyl) ether	-23.0	The nondetect results for the listed SVOCs were qualified as estimated (UJ) in the associated samples.
	Hexachlorocyclopentadiene	-25.2	
	2,4-Dinitrophenol	-22.4	
	Pentachlorophenol	-29.8	
Associated samples: QNSB-MW-102, QNSB-MW-103			
CCVIS 480-695082/3 12/12/23	bis (2-chloroisopropyl) ether	22.9	The nondetect results for the listed SVOCs were qualified as estimated (UJ) in the associated samples.
	Pentachlorophenol	-30.3	
	Di-n-butyl phthalate	20.3	
	Butylbenzyl phthalate	26.8	
	Bis(2-ethylhexyl) phthalate	34.5	
	Di-n-octyl phthalate	36.6	
Associated samples: QNSB-BMW-101, QNSB-BMW-102			
CCVIS 480-695087/3 12/12/23	bis (2-chloroisopropyl) ether	21.8	The nondetect results for the listed SVOCs were qualified as estimated (UJ) in the associated sample.
	Pentachlorophenol	-28.1	
	Di-n-butyl phthalate	20.1	
	Butyl benzyl phthalate	27.5	
	Bis(2-ethylhexyl) phthalate	32.9	
	Di-n-octyl phthalate	33.4	
Associated sample: QNSB-EB-02			

Blanks

Target compounds were not detected in the equipment blanks. The following table summarizes the target analytes detected in one of the method blanks. It should be noted that the positive result for di-n-butyl phthalate (0.99 J ug/L) in one of the equipment blanks (EB-01) was qualified as nondetect based on method blank contamination; no further evaluation of this result was required.

Blank ID	Analyte	Blank Concentration (ug/L)	Validation Actions
MB 480-694839/1-A	Di-n-butyl phthalate	0.756 J	The positive results for di-n-butyl phthalate were qualified as nondetect (U) at the QL in the associated samples.
Associated samples: All samples in SDGs 480-215480-1 and 480-215528-1			

Surrogate Recoveries

The surrogate percent recoveries (%Rs) met the laboratory acceptance criteria in all samples.

LCS/LCSD Results

All relative percent differences (RPDs) met the laboratory acceptance criteria. The table below summarizes the LCS %Rs that were outside of the laboratory's acceptance criteria, the associated samples, and the validation actions.

LCS Sample ID	Compound	LCS %R	LCS %R Limits	Validation Action
LCS 480-694999/2-A	Di-n-octyl phthalate	141	63 - 140	Qualification was not required since the results for di-n-octyl phthalate were nondetect in the associated samples.
Associated samples: All samples in SDG 480-215576-1				

MS/MSD Results

MS/MSD analyses were performed on sample QNSB-MW-110. All %Rs met the laboratory acceptance criteria. The following table summarizes RPDs that did not meet the laboratory acceptance criteria and the validation actions.

MS/MSD Parent Sample ID	Compound	RPD (%)	MS/MSD RPD Limits	Validation Actions
QNSB-MW-110	2,6-Dinitrotoluene	20	15	Qualification was not required since the listed SVOCs were not detected in sample QNSB-MW-110.
	2-Nitroaniline	19	15	
	4,6-Dinitro-2-methylphenol	20	15	
	4-Bromophenyl phenyl ether	19	15	
	4-Chlorophenyl phenyl ether	20	16	
	Anthracene	18	15	
	Benzo[a]anthracene	18	15	
	Benzo[a]pyrene	19	15	
	Benzo[b]fluoranthene	17	15	

MS/MSD Parent Sample ID	Compound	RPD (%)	MS/MSD RPD Limits	Validation Actions
QNSB-MW-110	Benzo[g,h,i]perylene	17	15	Qualification was not required since the listed SVOCs were not detected in sample QNSB-MW-110.
	Bis(2-ethylhexyl) phthalate	17	15	
	Butyl benzyl phthalate	23	16	
	Chrysene	18	15	
	Dibenz(a,h)anthracene	17	15	
	Di-n-butyl phthalate	18	15	
	Di-n-octyl phthalate	18	16	
	Dibenzofuran	19	15	
	Diethyl phthalate	18	15	
	Dimethyl phthalate	16	15	
	Fluoranthene	18	15	
	Fluorene	19	15	
	Hexachlorobenzene	16	15	
	N-Nitrosodiphenylamine	17	15	
	Phenanthrene	18	15	

Internal Standards

All criteria were met.

Field Duplicate Results

Samples QNSB-MW-110 and QNSB-DUP-01 were submitted as the field duplicate pair with this data set. All results were nondetect in both samples; thus, all criteria were met.

Sample Results and Reported Quantitation Limits

The di-n-octylphthalate result in sample QNSB-MW-105 was reported below the lowest calibration standard level and QL. This result was qualified as estimated (J) by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

There were no dilutions performed on samples in this data set.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215440-1

Matrix: Water | Lab File ID: Y034406.D

Analysis Method: 8270D | Date Collected: 12/05/2023 14:30

Extract. Method: 3510C | Date Extracted: 12/06/2023 14:18

Sample wt/vol: 230(mL) | Date Analyzed: 12/07/2023 16:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694554 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.4	0.71
108-60-1	bis (2-chloroisopropyl) ether	ND		5.4	0.57
95-95-4	2,4,5-Trichlorophenol	ND		5.4	0.52
88-06-2	2,4,6-Trichlorophenol	ND		5.4	0.66
120-83-2	2,4-Dichlorophenol	ND		5.4	0.55
105-67-9	2,4-Dimethylphenol	ND		5.4	0.54
51-28-5	2,4-Dinitrophenol	~~ND~~	UJ	11	2.4
121-14-2	2,4-Dinitrotoluene	ND		5.4	0.49
606-20-2	2,6-Dinitrotoluene	ND	~~F2~~	5.4	0.43
91-58-7	2-Chloronaphthalene	ND		5.4	0.50
95-57-8	2-Chlorophenol	ND		5.4	0.58
95-48-7	2-Methylphenol	ND		5.4	0.43
91-57-6	2-Methylnaphthalene	ND		5.4	0.65
88-74-4	2-Nitroaniline	ND	~~F2~~	11	0.46
88-75-5	2-Nitrophenol	ND		5.4	0.52
91-94-1	3,3'-Dichlorobenzidine	ND		5.4	0.43
99-09-2	3-Nitroaniline	ND		11	0.52
534-52-1	4,6-Dinitro-2-methylphenol	ND	~~F2~~	11	2.4
101-55-3	4-Bromophenyl phenyl ether	ND	~~F2~~	5.4	0.49
59-50-7	4-Chloro-3-methylphenol	ND		5.4	0.49
106-47-8	4-Chloroaniline	ND		5.4	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND	~~F2~~	5.4	0.38
106-44-5	4-Methylphenol	ND		11	0.39
100-01-6	4-Nitroaniline	ND		11	0.27
100-02-7	4-Nitrophenol	ND		11	1.7
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
98-86-2	Acetophenone	ND		5.4	0.59
120-12-7	Anthracene	ND	~~F2~~	5.4	0.30
1912-24-9	Atrazine	ND		5.4	0.50
100-52-7	Benzaldehyde	ND		5.4	0.29
56-55-3	Benzo[a]anthracene	ND	~~F2~~	5.4	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215440-1

Matrix: Water | Lab File ID: Y034406.D

Analysis Method: 8270D | Date Collected: 12/05/2023 14:30

Extract. Method: 3510C | Date Extracted: 12/06/2023 14:18

Sample wt/vol: 230(mL) | Date Analyzed: 12/07/2023 16:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694554 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND	~~F2~~	5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND	~~F2~~	5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND	~~F2~~	5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
111-91-1	Bis(2-chloroethoxy)methane	ND		5.4	0.38
111-44-4	Bis(2-chloroethyl)ether	ND		5.4	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	ND	~~F2~~	5.4	2.4
85-68-7	Butyl benzyl phthalate	ND	~~F2~~	5.4	1.1
105-60-2	Caprolactam	ND		5.4	2.4
86-74-8	Carbazole	~~ND~~	UJ	5.4	0.33
218-01-9	Chrysene	ND	~~F2~~	5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND	~~F2~~	5.4	0.46
84-74-2	Di-n-butyl phthalate	ND	~~F2~~	5.4	0.34
117-84-0	Di-n-octyl phthalate	ND	~~F2~~	5.4	0.51
132-64-9	Dibenzofuran	ND	~~F2~~	11	0.55
84-66-2	Diethyl phthalate	ND	~~F2~~	5.4	0.24
131-11-3	Dimethyl phthalate	ND	~~F2~~	5.4	0.39
206-44-0	Fluoranthene	ND	~~F2~~	5.4	0.43
86-73-7	Fluorene	ND	~~F2~~	5.4	0.39
118-74-1	Hexachlorobenzene	ND	~~F2~~	5.4	0.55
87-68-3	Hexachlorobutadiene	ND		5.4	0.74
77-47-4	Hexachlorocyclopentadiene	~~ND~~	UJ	5.4	0.64
67-72-1	Hexachloroethane	ND		5.4	0.64
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
78-59-1	Isophorone	ND		5.4	0.47
621-64-7	N-Nitrosodi-n-propylamine	ND		5.4	0.59
86-30-6	N-Nitrosodiphenylamine	ND	~~F2~~	5.4	0.55
91-20-3	Naphthalene	ND		5.4	0.83
98-95-3	Nitrobenzene	ND		5.4	0.32
87-86-5	Pentachlorophenol	~~ND~~	UJ	11	2.4
85-01-8	Phenanthrene	ND	~~F2~~	5.4	0.48
108-95-2	Phenol	ND		5.4	0.42

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215440-1

Matrix: Water | Lab File ID: Y034406.D

Analysis Method: 8270D | Date Collected: 12/05/2023 14:30

Extract. Method: 3510C | Date Extracted: 12/06/2023 14:18

Sample wt/vol: 230(mL) | Date Analyzed: 12/07/2023 16:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694554 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	70		46-120
4165-62-2	Phenol-d5 (Surr)	40		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	82		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	88		41-120
321-60-8	2-Fluorobiphenyl (Surr)	76		48-120
367-12-4	2-Fluorophenol (Surr)	53		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Matrix: Water | Lab File ID: Y034415.D

Analysis Method: 8270D | Date Collected: 12/05/2023 12:00

Extract. Method: 3510C | Date Extracted: 12/06/2023 14:18

Sample wt/vol: 230(mL) | Date Analyzed: 12/07/2023 20:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694554 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.4	0.71
108-60-1	bis (2-chloroisopropyl) ether	ND		5.4	0.57
95-95-4	2,4,5-Trichlorophenol	ND		5.4	0.52
88-06-2	2,4,6-Trichlorophenol	ND		5.4	0.66
120-83-2	2,4-Dichlorophenol	ND		5.4	0.55
105-67-9	2,4-Dimethylphenol	ND		5.4	0.54
51-28-5	2,4-Dinitrophenol	~~ND~~	UJ	11	2.4
121-14-2	2,4-Dinitrotoluene	ND		5.4	0.49
606-20-2	2,6-Dinitrotoluene	ND		5.4	0.43
91-58-7	2-Chloronaphthalene	ND		5.4	0.50
95-57-8	2-Chlorophenol	ND		5.4	0.58
95-48-7	2-Methylphenol	ND		5.4	0.43
91-57-6	2-Methylnaphthalene	ND		5.4	0.65
88-74-4	2-Nitroaniline	ND		11	0.46
88-75-5	2-Nitrophenol	ND		5.4	0.52
91-94-1	3,3'-Dichlorobenzidine	ND		5.4	0.43
99-09-2	3-Nitroaniline	ND		11	0.52
534-52-1	4,6-Dinitro-2-methylphenol	ND		11	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		5.4	0.49
59-50-7	4-Chloro-3-methylphenol	ND		5.4	0.49
106-47-8	4-Chloroaniline	ND		5.4	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.4	0.38
106-44-5	4-Methylphenol	ND		11	0.39
100-01-6	4-Nitroaniline	ND		11	0.27
100-02-7	4-Nitrophenol	ND		11	1.7
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
98-86-2	Acetophenone	ND		5.4	0.59
120-12-7	Anthracene	ND		5.4	0.30
1912-24-9	Atrazine	ND		5.4	0.50
100-52-7	Benzaldehyde	ND		5.4	0.29
56-55-3	Benzo[a]anthracene	ND		5.4	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Matrix: Water | Lab File ID: Y034415.D

Analysis Method: 8270D | Date Collected: 12/05/2023 12:00

Extract. Method: 3510C | Date Extracted: 12/06/2023 14:18

Sample wt/vol: 230(mL) | Date Analyzed: 12/07/2023 20:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694554 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
111-91-1	Bis(2-chloroethoxy)methane	ND		5.4	0.38
111-44-4	Bis(2-chloroethyl)ether	ND		5.4	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.4	2.4
85-68-7	Butyl benzyl phthalate	ND		5.4	1.1
105-60-2	Caprolactam	ND		5.4	2.4
86-74-8	Carbazole	~~ND~~	UJ	5.4	0.33
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
84-74-2	Di-n-butyl phthalate	ND		5.4	0.34
117-84-0	Di-n-octyl phthalate	ND		5.4	0.51
132-64-9	Dibenzofuran	ND		11	0.55
84-66-2	Diethyl phthalate	ND		5.4	0.24
131-11-3	Dimethyl phthalate	ND		5.4	0.39
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
118-74-1	Hexachlorobenzene	ND		5.4	0.55
87-68-3	Hexachlorobutadiene	ND		5.4	0.74
77-47-4	Hexachlorocyclopentadiene	~~ND~~	UJ	5.4	0.64
67-72-1	Hexachloroethane	ND		5.4	0.64
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
78-59-1	Isophorone	ND		5.4	0.47
621-64-7	N-Nitrosodi-n-propylamine	ND		5.4	0.59
86-30-6	N-Nitrosodiphenylamine	ND		5.4	0.55
91-20-3	Naphthalene	ND		5.4	0.83
98-95-3	Nitrobenzene	ND		5.4	0.32
87-86-5	Pentachlorophenol	~~ND~~	UJ	11	2.4
85-01-8	Phenanthrene	ND		5.4	0.48
108-95-2	Phenol	ND		5.4	0.42

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Matrix: Water | Lab File ID: Y034415.D

Analysis Method: 8270D | Date Collected: 12/05/2023 12:00

Extract. Method: 3510C | Date Extracted: 12/06/2023 14:18

Sample wt/vol: 230(mL) | Date Analyzed: 12/07/2023 20:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 694554 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	81		46-120
4165-62-2	Phenol-d5 (Surr)	51		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	89		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	78		41-120
321-60-8	2-Fluorobiphenyl (Surr)	92		48-120
367-12-4	2-Fluorophenol (Surr)	65		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: Y034536.D

Analysis Method: 8270D | Date Collected: 12/05/2023 11:20

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 17:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: Y034536.D

Analysis Method: 8270D | Date Collected: 12/05/2023 11:20

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 17:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	5.0 U ~~0.69~~	~~J B~~	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	~~ND~~	UJ	10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: Y034536.D

Analysis Method: 8270D | Date Collected: 12/05/2023 11:20

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 17:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	80		46-120
4165-62-2	Phenol-d5 (Surr)	44		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	87		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	68		41-120
321-60-8	2-Fluorobiphenyl (Surr)	89		48-120
367-12-4	2-Fluorophenol (Surr)	58		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: Y034537.D

Analysis Method: 8270D | Date Collected: 12/05/2023 11:40

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 17:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: Y034537.D

Analysis Method: 8270D | Date Collected: 12/05/2023 11:40

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 17:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	5.0 U ~~1.2~~	~~J B~~	5.0	0.31
117-84-0	Di-n-octyl phthalate	0.50	J	5.0	0.47
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	~~ND~~	UJ	10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: Y034537.D

Analysis Method: 8270D | Date Collected: 12/05/2023 11:40

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 17:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	85		46-120
4165-62-2	Phenol-d5 (Surr)	49		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	88		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	67		41-120
321-60-8	2-Fluorobiphenyl (Surr)	94		48-120
367-12-4	2-Fluorophenol (Surr)	65		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: Y034538.D

Analysis Method: 8270D | Date Collected: 12/06/2023 00:00

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 18:10

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: Y034538.D

Analysis Method: 8270D | Date Collected: 12/06/2023 00:00

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 18:10

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	5.0 U ~~0.99~~	~~J B~~	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	~~ND~~	UJ	10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: Y034538.D

Analysis Method: 8270D | Date Collected: 12/06/2023 00:00

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 18:10

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	71		46-120
4165-62-2	Phenol-d5 (Surr)	40		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	79		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	87		41-120
321-60-8	2-Fluorobiphenyl (Surr)	80		48-120
367-12-4	2-Fluorophenol (Surr)	52		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: Y034539.D

Analysis Method: 8270D | Date Collected: 12/06/2023 14:45

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 18:37

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.2	0.68
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.2	0.54
95-95-4	2,4,5-Trichlorophenol	ND		5.2	0.50
88-06-2	2,4,6-Trichlorophenol	ND		5.2	0.64
120-83-2	2,4-Dichlorophenol	ND		5.2	0.53
105-67-9	2,4-Dimethylphenol	ND		5.2	0.52
51-28-5	2,4-Dinitrophenol	ND		10	2.3
121-14-2	2,4-Dinitrotoluene	ND		5.2	0.47
606-20-2	2,6-Dinitrotoluene	ND		5.2	0.42
91-58-7	2-Chloronaphthalene	ND		5.2	0.48
95-57-8	2-Chlorophenol	ND		5.2	0.55
95-48-7	2-Methylphenol	ND		5.2	0.42
91-57-6	2-Methylnaphthalene	ND		5.2	0.63
88-74-4	2-Nitroaniline	ND		10	0.44
88-75-5	2-Nitrophenol	ND		5.2	0.50
91-94-1	3,3'-Dichlorobenzidine	ND		5.2	0.42
99-09-2	3-Nitroaniline	ND		10	0.50
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.3
101-55-3	4-Bromophenyl phenyl ether	ND		5.2	0.47
59-50-7	4-Chloro-3-methylphenol	ND		5.2	0.47
106-47-8	4-Chloroaniline	ND		5.2	0.61
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.2	0.36
106-44-5	4-Methylphenol	ND		10	0.38
100-01-6	4-Nitroaniline	ND		10	0.26
100-02-7	4-Nitrophenol	ND		10	1.6
83-32-9	Acenaphthene	ND		5.2	0.43
208-96-8	Acenaphthylene	ND		5.2	0.40
98-86-2	Acetophenone	ND		5.2	0.56
120-12-7	Anthracene	ND		5.2	0.29
1912-24-9	Atrazine	ND		5.2	0.48
100-52-7	Benzaldehyde	ND		5.2	0.28
56-55-3	Benzo[a]anthracene	ND		5.2	0.38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: Y034539.D

Analysis Method: 8270D | Date Collected: 12/06/2023 14:45

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 18:37

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.2	0.49
205-99-2	Benzo[b]fluoranthene	ND		5.2	0.35
191-24-2	Benzo[g,h,i]perylene	ND		5.2	0.36
207-08-9	Benzo[k]fluoranthene	ND		5.2	0.76
111-91-1	Bis(2-chloroethoxy)methane	ND		5.2	0.36
111-44-4	Bis(2-chloroethyl)ether	ND		5.2	0.42
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.2	2.3
85-68-7	Butyl benzyl phthalate	ND		5.2	1.0
105-60-2	Caprolactam	ND		5.2	2.3
86-74-8	Carbazole	ND		5.2	0.31
218-01-9	Chrysene	ND		5.2	0.34
53-70-3	Dibenz(a,h)anthracene	ND		5.2	0.44
84-74-2	Di-n-butyl phthalate	5.2 U ~~1.2~~	~~J B~~	5.2	0.32
117-84-0	Di-n-octyl phthalate	ND		5.2	0.49
132-64-9	Dibenzofuran	ND		10	0.53
84-66-2	Diethyl phthalate	ND		5.2	0.23
131-11-3	Dimethyl phthalate	ND		5.2	0.38
206-44-0	Fluoranthene	ND		5.2	0.42
86-73-7	Fluorene	ND		5.2	0.38
118-74-1	Hexachlorobenzene	ND		5.2	0.53
87-68-3	Hexachlorobutadiene	ND		5.2	0.71
77-47-4	Hexachlorocyclopentadiene	ND		5.2	0.61
67-72-1	Hexachloroethane	ND		5.2	0.61
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.2	0.49
78-59-1	Isophorone	ND		5.2	0.45
621-64-7	N-Nitrosodi-n-propylamine	ND		5.2	0.56
86-30-6	N-Nitrosodiphenylamine	ND		5.2	0.53
91-20-3	Naphthalene	ND		5.2	0.79
98-95-3	Nitrobenzene	ND		5.2	0.30
87-86-5	Pentachlorophenol	~~ND~~	UJ	10	2.3
85-01-8	Phenanthrene	ND		5.2	0.46
108-95-2	Phenol	ND		5.2	0.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: Y034539.D

Analysis Method: 8270D | Date Collected: 12/06/2023 14:45

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 18:37

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.2	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	91		46-120
4165-62-2	Phenol-d5 (Surr)	54		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	92		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	72		41-120
321-60-8	2-Fluorobiphenyl (Surr)	103		48-120
367-12-4	2-Fluorophenol (Surr)	71		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: Y034540.D

Analysis Method: 8270D | Date Collected: 12/06/2023 11:40

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 19:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.4	0.71
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.4	0.57
95-95-4	2,4,5-Trichlorophenol	ND		5.4	0.52
88-06-2	2,4,6-Trichlorophenol	ND		5.4	0.66
120-83-2	2,4-Dichlorophenol	ND		5.4	0.55
105-67-9	2,4-Dimethylphenol	ND		5.4	0.54
51-28-5	2,4-Dinitrophenol	ND		11	2.4
121-14-2	2,4-Dinitrotoluene	ND		5.4	0.49
606-20-2	2,6-Dinitrotoluene	ND		5.4	0.43
91-58-7	2-Chloronaphthalene	ND		5.4	0.50
95-57-8	2-Chlorophenol	ND		5.4	0.58
95-48-7	2-Methylphenol	ND		5.4	0.43
91-57-6	2-Methylnaphthalene	ND		5.4	0.65
88-74-4	2-Nitroaniline	ND		11	0.46
88-75-5	2-Nitrophenol	ND		5.4	0.52
91-94-1	3,3'-Dichlorobenzidine	ND		5.4	0.43
99-09-2	3-Nitroaniline	ND		11	0.52
534-52-1	4,6-Dinitro-2-methylphenol	ND		11	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		5.4	0.49
59-50-7	4-Chloro-3-methylphenol	ND		5.4	0.49
106-47-8	4-Chloroaniline	ND		5.4	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.4	0.38
106-44-5	4-Methylphenol	ND		11	0.39
100-01-6	4-Nitroaniline	ND		11	0.27
100-02-7	4-Nitrophenol	ND		11	1.7
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
98-86-2	Acetophenone	ND		5.4	0.59
120-12-7	Anthracene	ND		5.4	0.30
1912-24-9	Atrazine	ND		5.4	0.50
100-52-7	Benzaldehyde	ND		5.4	0.29
56-55-3	Benzo[a]anthracene	ND		5.4	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: Y034540.D

Analysis Method: 8270D | Date Collected: 12/06/2023 11:40

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 19:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
111-91-1	Bis(2-chloroethoxy)methane	ND		5.4	0.38
111-44-4	Bis(2-chloroethyl)ether	ND		5.4	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.4	2.4
85-68-7	Butyl benzyl phthalate	ND		5.4	1.1
105-60-2	Caprolactam	ND		5.4	2.4
86-74-8	Carbazole	ND		5.4	0.33
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
84-74-2	Di-n-butyl phthalate	5.4 U ~~1.0~~	J B	5.4	0.34
117-84-0	Di-n-octyl phthalate	ND		5.4	0.51
132-64-9	Dibenzofuran	ND		11	0.55
84-66-2	Diethyl phthalate	ND		5.4	0.24
131-11-3	Dimethyl phthalate	ND		5.4	0.39
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
118-74-1	Hexachlorobenzene	ND		5.4	0.55
87-68-3	Hexachlorobutadiene	ND		5.4	0.74
77-47-4	Hexachlorocyclopentadiene	ND		5.4	0.64
67-72-1	Hexachloroethane	ND		5.4	0.64
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
78-59-1	Isophorone	ND		5.4	0.47
621-64-7	N-Nitrosodi-n-propylamine	ND		5.4	0.59
86-30-6	N-Nitrosodiphenylamine	ND		5.4	0.55
91-20-3	Naphthalene	ND		5.4	0.83
98-95-3	Nitrobenzene	ND		5.4	0.32
87-86-5	Pentachlorophenol	~~ND~~	UJ	11	2.4
85-01-8	Phenanthrene	ND		5.4	0.48
108-95-2	Phenol	ND		5.4	0.42

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: Y034540.D

Analysis Method: 8270D | Date Collected: 12/06/2023 11:40

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 19:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	90		46-120
4165-62-2	Phenol-d5 (Surr)	54		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	91		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	92		41-120
321-60-8	2-Fluorobiphenyl (Surr)	99		48-120
367-12-4	2-Fluorophenol (Surr)	68		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: Y034541.D

Analysis Method: 8270D | Date Collected: 12/06/2023 10:50

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 19:33

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: Y034541.D

Analysis Method: 8270D | Date Collected: 12/06/2023 10:50

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 19:33

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	5.0 U ~~2.7~~	~~J B~~	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	~~ND~~	UJ	10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: Y034541.D

Analysis Method: 8270D | Date Collected: 12/06/2023 10:50

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 19:33

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	84		46-120
4165-62-2	Phenol-d5 (Surr)	45		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	89		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	68		41-120
321-60-8	2-Fluorobiphenyl (Surr)	96		48-120
367-12-4	2-Fluorophenol (Surr)	61		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: Y034542.D

Analysis Method: 8270D | Date Collected: 12/07/2023 08:30

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 20:00

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.4	0.71
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.4	0.57
95-95-4	2,4,5-Trichlorophenol	ND		5.4	0.52
88-06-2	2,4,6-Trichlorophenol	ND		5.4	0.66
120-83-2	2,4-Dichlorophenol	ND		5.4	0.55
105-67-9	2,4-Dimethylphenol	ND		5.4	0.54
51-28-5	2,4-Dinitrophenol	ND		11	2.4
121-14-2	2,4-Dinitrotoluene	ND		5.4	0.49
606-20-2	2,6-Dinitrotoluene	ND		5.4	0.43
91-58-7	2-Chloronaphthalene	ND		5.4	0.50
95-57-8	2-Chlorophenol	ND		5.4	0.58
95-48-7	2-Methylphenol	ND		5.4	0.43
91-57-6	2-Methylnaphthalene	ND		5.4	0.65
88-74-4	2-Nitroaniline	ND		11	0.46
88-75-5	2-Nitrophenol	ND		5.4	0.52
91-94-1	3,3'-Dichlorobenzidine	ND		5.4	0.43
99-09-2	3-Nitroaniline	ND		11	0.52
534-52-1	4,6-Dinitro-2-methylphenol	ND		11	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		5.4	0.49
59-50-7	4-Chloro-3-methylphenol	ND		5.4	0.49
106-47-8	4-Chloroaniline	ND		5.4	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.4	0.38
106-44-5	4-Methylphenol	ND		11	0.39
100-01-6	4-Nitroaniline	ND		11	0.27
100-02-7	4-Nitrophenol	ND		11	1.7
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
98-86-2	Acetophenone	ND		5.4	0.59
120-12-7	Anthracene	ND		5.4	0.30
1912-24-9	Atrazine	ND		5.4	0.50
100-52-7	Benzaldehyde	ND		5.4	0.29
56-55-3	Benzo[a]anthracene	ND		5.4	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: Y034542.D

Analysis Method: 8270D | Date Collected: 12/07/2023 08:30

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 20:00

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
111-91-1	Bis(2-chloroethoxy)methane	ND		5.4	0.38
111-44-4	Bis(2-chloroethyl)ether	ND		5.4	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.4	2.4
85-68-7	Butyl benzyl phthalate	ND		5.4	1.1
105-60-2	Caprolactam	ND		5.4	2.4
86-74-8	Carbazole	ND		5.4	0.33
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
84-74-2	Di-n-butyl phthalate	5.4 U ~~0.99~~	~~J B~~	5.4	0.34
117-84-0	Di-n-octyl phthalate	ND		5.4	0.51
132-64-9	Dibenzofuran	ND		11	0.55
84-66-2	Diethyl phthalate	ND		5.4	0.24
131-11-3	Dimethyl phthalate	ND		5.4	0.39
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
118-74-1	Hexachlorobenzene	ND		5.4	0.55
87-68-3	Hexachlorobutadiene	ND		5.4	0.74
77-47-4	Hexachlorocyclopentadiene	ND		5.4	0.64
67-72-1	Hexachloroethane	ND		5.4	0.64
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
78-59-1	Isophorone	ND		5.4	0.47
621-64-7	N-Nitrosodi-n-propylamine	ND		5.4	0.59
86-30-6	N-Nitrosodiphenylamine	ND		5.4	0.55
91-20-3	Naphthalene	ND		5.4	0.83
98-95-3	Nitrobenzene	ND		5.4	0.32
87-86-5	Pentachlorophenol	~~ND~~	UJ	11	2.4
85-01-8	Phenanthrene	ND		5.4	0.48
108-95-2	Phenol	ND		5.4	0.42

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: Y034542.D

Analysis Method: 8270D | Date Collected: 12/07/2023 08:30

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 20:00

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	90		46-120
4165-62-2	Phenol-d5 (Surr)	51		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	101		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	66		41-120
321-60-8	2-Fluorobiphenyl (Surr)	100		48-120
367-12-4	2-Fluorophenol (Surr)	67		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: Y034543.D

Analysis Method: 8270D | Date Collected: 12/07/2023 14:15

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 20:28

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.2	0.68
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.2	0.54
95-95-4	2,4,5-Trichlorophenol	ND		5.2	0.50
88-06-2	2,4,6-Trichlorophenol	ND		5.2	0.64
120-83-2	2,4-Dichlorophenol	ND		5.2	0.53
105-67-9	2,4-Dimethylphenol	ND		5.2	0.52
51-28-5	2,4-Dinitrophenol	ND		10	2.3
121-14-2	2,4-Dinitrotoluene	ND		5.2	0.47
606-20-2	2,6-Dinitrotoluene	ND		5.2	0.42
91-58-7	2-Chloronaphthalene	ND		5.2	0.48
95-57-8	2-Chlorophenol	ND		5.2	0.55
95-48-7	2-Methylphenol	ND		5.2	0.42
91-57-6	2-Methylnaphthalene	ND		5.2	0.63
88-74-4	2-Nitroaniline	ND		10	0.44
88-75-5	2-Nitrophenol	ND		5.2	0.50
91-94-1	3,3'-Dichlorobenzidine	ND		5.2	0.42
99-09-2	3-Nitroaniline	ND		10	0.50
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.3
101-55-3	4-Bromophenyl phenyl ether	ND		5.2	0.47
59-50-7	4-Chloro-3-methylphenol	ND		5.2	0.47
106-47-8	4-Chloroaniline	ND		5.2	0.61
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.2	0.36
106-44-5	4-Methylphenol	ND		10	0.38
100-01-6	4-Nitroaniline	ND		10	0.26
100-02-7	4-Nitrophenol	ND		10	1.6
83-32-9	Acenaphthene	ND		5.2	0.43
208-96-8	Acenaphthylene	ND		5.2	0.40
98-86-2	Acetophenone	ND		5.2	0.56
120-12-7	Anthracene	ND		5.2	0.29
1912-24-9	Atrazine	ND		5.2	0.48
100-52-7	Benzaldehyde	ND		5.2	0.28
56-55-3	Benzo[a]anthracene	ND		5.2	0.38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: Y034543.D

Analysis Method: 8270D | Date Collected: 12/07/2023 14:15

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 20:28

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.2	0.49
205-99-2	Benzo[b]fluoranthene	ND		5.2	0.35
191-24-2	Benzo[g,h,i]perylene	ND		5.2	0.36
207-08-9	Benzo[k]fluoranthene	ND		5.2	0.76
111-91-1	Bis(2-chloroethoxy)methane	ND		5.2	0.36
111-44-4	Bis(2-chloroethyl)ether	ND		5.2	0.42
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.2	2.3
85-68-7	Butyl benzyl phthalate	ND		5.2	1.0
105-60-2	Caprolactam	ND		5.2	2.3
86-74-8	Carbazole	ND		5.2	0.31
218-01-9	Chrysene	ND		5.2	0.34
53-70-3	Dibenz(a,h)anthracene	ND		5.2	0.44
84-74-2	Di-n-butyl phthalate	5.2 U ~~1.2~~	~~J B~~	5.2	0.32
117-84-0	Di-n-octyl phthalate	ND		5.2	0.49
132-64-9	Dibenzofuran	ND		10	0.53
84-66-2	Diethyl phthalate	ND		5.2	0.23
131-11-3	Dimethyl phthalate	ND		5.2	0.38
206-44-0	Fluoranthene	ND		5.2	0.42
86-73-7	Fluorene	ND		5.2	0.38
118-74-1	Hexachlorobenzene	ND		5.2	0.53
87-68-3	Hexachlorobutadiene	ND		5.2	0.71
77-47-4	Hexachlorocyclopentadiene	ND		5.2	0.61
67-72-1	Hexachloroethane	ND		5.2	0.61
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.2	0.49
78-59-1	Isophorone	ND		5.2	0.45
621-64-7	N-Nitrosodi-n-propylamine	ND		5.2	0.56
86-30-6	N-Nitrosodiphenylamine	ND		5.2	0.53
91-20-3	Naphthalene	ND		5.2	0.79
98-95-3	Nitrobenzene	ND		5.2	0.30
87-86-5	Pentachlorophenol	~~ND~~	UJ	10	2.3
85-01-8	Phenanthrene	ND		5.2	0.46
108-95-2	Phenol	ND		5.2	0.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: Y034543.D

Analysis Method: 8270D | Date Collected: 12/07/2023 14:15

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 20:28

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.2	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	92		46-120
4165-62-2	Phenol-d5 (Surr)	52		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	95		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	67		41-120
321-60-8	2-Fluorobiphenyl (Surr)	107		48-120
367-12-4	2-Fluorophenol (Surr)	72		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: Y034549.D

Analysis Method: 8270D | Date Collected: 12/07/2023 11:35

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 23:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.2	0.68
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.2	0.54
95-95-4	2,4,5-Trichlorophenol	ND		5.2	0.50
88-06-2	2,4,6-Trichlorophenol	ND		5.2	0.64
120-83-2	2,4-Dichlorophenol	ND		5.2	0.53
105-67-9	2,4-Dimethylphenol	ND		5.2	0.52
51-28-5	2,4-Dinitrophenol	~~ND~~	UJ	10	2.3
121-14-2	2,4-Dinitrotoluene	ND		5.2	0.47
606-20-2	2,6-Dinitrotoluene	ND		5.2	0.42
91-58-7	2-Chloronaphthalene	ND		5.2	0.48
95-57-8	2-Chlorophenol	ND		5.2	0.55
95-48-7	2-Methylphenol	ND		5.2	0.42
91-57-6	2-Methylnaphthalene	ND		5.2	0.63
88-74-4	2-Nitroaniline	ND		10	0.44
88-75-5	2-Nitrophenol	ND		5.2	0.50
91-94-1	3,3'-Dichlorobenzidine	ND		5.2	0.42
99-09-2	3-Nitroaniline	ND		10	0.50
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.3
101-55-3	4-Bromophenyl phenyl ether	ND		5.2	0.47
59-50-7	4-Chloro-3-methylphenol	ND		5.2	0.47
106-47-8	4-Chloroaniline	ND		5.2	0.61
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.2	0.36
106-44-5	4-Methylphenol	ND		10	0.38
100-01-6	4-Nitroaniline	ND		10	0.26
100-02-7	4-Nitrophenol	ND		10	1.6
83-32-9	Acenaphthene	ND		5.2	0.43
208-96-8	Acenaphthylene	ND		5.2	0.40
98-86-2	Acetophenone	ND		5.2	0.56
120-12-7	Anthracene	ND		5.2	0.29
1912-24-9	Atrazine	ND		5.2	0.48
100-52-7	Benzaldehyde	ND		5.2	0.28
56-55-3	Benzo[a]anthracene	ND		5.2	0.38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: Y034549.D

Analysis Method: 8270D | Date Collected: 12/07/2023 11:35

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 23:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.2	0.49
205-99-2	Benzo[b]fluoranthene	ND		5.2	0.35
191-24-2	Benzo[g,h,i]perylene	ND		5.2	0.36
207-08-9	Benzo[k]fluoranthene	ND		5.2	0.76
111-91-1	Bis(2-chloroethoxy)methane	ND		5.2	0.36
111-44-4	Bis(2-chloroethyl)ether	ND		5.2	0.42
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.2	2.3
85-68-7	Butyl benzyl phthalate	ND		5.2	1.0
105-60-2	Caprolactam	ND		5.2	2.3
86-74-8	Carbazole	ND		5.2	0.31
218-01-9	Chrysene	ND		5.2	0.34
53-70-3	Dibenz(a,h)anthracene	ND		5.2	0.44
84-74-2	Di-n-butyl phthalate	5.2 U ~~1.1~~	~~J B~~	5.2	0.32
117-84-0	Di-n-octyl phthalate	ND		5.2	0.49
132-64-9	Dibenzofuran	ND		10	0.53
84-66-2	Diethyl phthalate	ND		5.2	0.23
131-11-3	Dimethyl phthalate	ND		5.2	0.38
206-44-0	Fluoranthene	ND		5.2	0.42
86-73-7	Fluorene	ND		5.2	0.38
118-74-1	Hexachlorobenzene	ND		5.2	0.53
87-68-3	Hexachlorobutadiene	ND		5.2	0.71
77-47-4	Hexachlorocyclopentadiene	~~ND~~	UJ	5.2	0.61
67-72-1	Hexachloroethane	ND		5.2	0.61
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.2	0.49
78-59-1	Isophorone	ND		5.2	0.45
621-64-7	N-Nitrosodi-n-propylamine	ND		5.2	0.56
86-30-6	N-Nitrosodiphenylamine	ND		5.2	0.53
91-20-3	Naphthalene	ND		5.2	0.79
98-95-3	Nitrobenzene	ND		5.2	0.30
87-86-5	Pentachlorophenol	~~ND~~	UJ	10	2.3
85-01-8	Phenanthrene	ND		5.2	0.46
108-95-2	Phenol	ND		5.2	0.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: Y034549.D

Analysis Method: 8270D | Date Collected: 12/07/2023 11:35

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2023 23:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.2	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	82		46-120
4165-62-2	Phenol-d5 (Surr)	48		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	81		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	58		41-120
321-60-8	2-Fluorobiphenyl (Surr)	90		48-120
367-12-4	2-Fluorophenol (Surr)	63		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: Y034550.D

Analysis Method: 8270D | Date Collected: 12/07/2023 11:35

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 23:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	~~ND~~	UJ	10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: Y034550.D

Analysis Method: 8270D | Date Collected: 12/07/2023 11:35

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 23:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	5.0 U ~~2.2~~	~~J B~~	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	~~ND~~	UJ	5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	~~ND~~	UJ	10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: Y034550.D

Analysis Method: 8270D | Date Collected: 12/07/2023 11:35

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 23:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	92		46-120
4165-62-2	Phenol-d5 (Surr)	52		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	78		41-120
321-60-8	2-Fluorobiphenyl (Surr)	105		48-120
367-12-4	2-Fluorophenol (Surr)	70		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: W100255661.d

Analysis Method: 8270D | Date Collected: 12/08/2023 12:05

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 21:52

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695082 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.4	0.71
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.4	0.57
95-95-4	2,4,5-Trichlorophenol	ND		5.4	0.52
88-06-2	2,4,6-Trichlorophenol	ND		5.4	0.66
120-83-2	2,4-Dichlorophenol	ND		5.4	0.55
105-67-9	2,4-Dimethylphenol	ND		5.4	0.54
51-28-5	2,4-Dinitrophenol	ND		11	2.4
121-14-2	2,4-Dinitrotoluene	ND		5.4	0.49
606-20-2	2,6-Dinitrotoluene	ND		5.4	0.43
91-58-7	2-Chloronaphthalene	ND		5.4	0.50
95-57-8	2-Chlorophenol	ND		5.4	0.58
95-48-7	2-Methylphenol	ND		5.4	0.43
91-57-6	2-Methylnaphthalene	ND		5.4	0.65
88-74-4	2-Nitroaniline	ND		11	0.46
88-75-5	2-Nitrophenol	ND		5.4	0.52
91-94-1	3,3'-Dichlorobenzidine	ND		5.4	0.43
99-09-2	3-Nitroaniline	ND		11	0.52
534-52-1	4,6-Dinitro-2-methylphenol	ND		11	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		5.4	0.49
59-50-7	4-Chloro-3-methylphenol	ND		5.4	0.49
106-47-8	4-Chloroaniline	ND		5.4	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.4	0.38
106-44-5	4-Methylphenol	ND		11	0.39
100-01-6	4-Nitroaniline	ND		11	0.27
100-02-7	4-Nitrophenol	ND		11	1.7
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
98-86-2	Acetophenone	ND		5.4	0.59
120-12-7	Anthracene	ND		5.4	0.30
1912-24-9	Atrazine	ND		5.4	0.50
100-52-7	Benzaldehyde	ND		5.4	0.29
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: W100255661.d

Analysis Method: 8270D | Date Collected: 12/08/2023 12:05

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 21:52

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695082 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
111-91-1	Bis(2-chloroethoxy)methane	ND		5.4	0.38
111-44-4	Bis(2-chloroethyl)ether	ND		5.4	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	~~ND~~	UJ	5.4	2.4
85-68-7	Butyl benzyl phthalate	~~ND~~	UJ	5.4	1.1
105-60-2	Caprolactam	ND		5.4	2.4
86-74-8	Carbazole	ND		5.4	0.33
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
84-74-2	Di-n-butyl phthalate	~~ND~~	UJ	5.4	0.34
117-84-0	Di-n-octyl phthalate	~~ND~~	~~*+~~ UJ	5.4	0.51
132-64-9	Dibenzofuran	ND		11	0.55
84-66-2	Diethyl phthalate	ND		5.4	0.24
131-11-3	Dimethyl phthalate	ND		5.4	0.39
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
118-74-1	Hexachlorobenzene	ND		5.4	0.55
87-68-3	Hexachlorobutadiene	ND		5.4	0.74
77-47-4	Hexachlorocyclopentadiene	ND		5.4	0.64
67-72-1	Hexachloroethane	ND		5.4	0.64
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
78-59-1	Isophorone	ND		5.4	0.47
621-64-7	N-Nitrosodi-n-propylamine	ND		5.4	0.59
86-30-6	N-Nitrosodiphenylamine	ND		5.4	0.55
91-20-3	Naphthalene	ND		5.4	0.83
98-95-3	Nitrobenzene	ND		5.4	0.32
87-86-5	Pentachlorophenol	~~ND~~	UJ	11	2.4
85-01-8	Phenanthrene	ND		5.4	0.48
108-95-2	Phenol	ND		5.4	0.42
129-00-0	Pyrene	ND		5.4	0.37

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: W100255661.d

Analysis Method: 8270D | Date Collected: 12/08/2023 12:05

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 21:52

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695082 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	91		46-120
4165-62-2	Phenol-d5 (Surr)	60		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	49		41-120
321-60-8	2-Fluorobiphenyl (Surr)	97		48-120
367-12-4	2-Fluorophenol (Surr)	80		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: W100255662.d

Analysis Method: 8270D | Date Collected: 12/08/2023 10:15

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 22:20

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695082 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.4	0.71
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.4	0.57
95-95-4	2,4,5-Trichlorophenol	ND		5.4	0.52
88-06-2	2,4,6-Trichlorophenol	ND		5.4	0.66
120-83-2	2,4-Dichlorophenol	ND		5.4	0.55
105-67-9	2,4-Dimethylphenol	ND		5.4	0.54
51-28-5	2,4-Dinitrophenol	ND		11	2.4
121-14-2	2,4-Dinitrotoluene	ND		5.4	0.49
606-20-2	2,6-Dinitrotoluene	ND		5.4	0.43
91-58-7	2-Chloronaphthalene	ND		5.4	0.50
95-57-8	2-Chlorophenol	ND		5.4	0.58
95-48-7	2-Methylphenol	ND		5.4	0.43
91-57-6	2-Methylnaphthalene	ND		5.4	0.65
88-74-4	2-Nitroaniline	ND		11	0.46
88-75-5	2-Nitrophenol	ND		5.4	0.52
91-94-1	3,3'-Dichlorobenzidine	ND		5.4	0.43
99-09-2	3-Nitroaniline	ND		11	0.52
534-52-1	4,6-Dinitro-2-methylphenol	ND		11	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		5.4	0.49
59-50-7	4-Chloro-3-methylphenol	ND		5.4	0.49
106-47-8	4-Chloroaniline	ND		5.4	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.4	0.38
106-44-5	4-Methylphenol	ND		11	0.39
100-01-6	4-Nitroaniline	ND		11	0.27
100-02-7	4-Nitrophenol	ND		11	1.7
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
98-86-2	Acetophenone	ND		5.4	0.59
120-12-7	Anthracene	ND		5.4	0.30
1912-24-9	Atrazine	ND		5.4	0.50
100-52-7	Benzaldehyde	ND		5.4	0.29
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: W100255662.d

Analysis Method: 8270D | Date Collected: 12/08/2023 10:15

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 22:20

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695082 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
111-91-1	Bis(2-chloroethoxy)methane	ND		5.4	0.38
111-44-4	Bis(2-chloroethyl)ether	ND		5.4	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	~~ND~~	UJ	5.4	2.4
85-68-7	Butyl benzyl phthalate	~~ND~~	UJ	5.4	1.1
105-60-2	Caprolactam	ND		5.4	2.4
86-74-8	Carbazole	ND		5.4	0.33
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
84-74-2	Di-n-butyl phthalate	~~ND~~	UJ	5.4	0.34
117-84-0	Di-n-octyl phthalate	~~ND~~	~~*+~~ UJ	5.4	0.51
132-64-9	Dibenzofuran	ND		11	0.55
84-66-2	Diethyl phthalate	ND		5.4	0.24
131-11-3	Dimethyl phthalate	ND		5.4	0.39
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
118-74-1	Hexachlorobenzene	ND		5.4	0.55
87-68-3	Hexachlorobutadiene	ND		5.4	0.74
77-47-4	Hexachlorocyclopentadiene	ND		5.4	0.64
67-72-1	Hexachloroethane	ND		5.4	0.64
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
78-59-1	Isophorone	ND		5.4	0.47
621-64-7	N-Nitrosodi-n-propylamine	ND		5.4	0.59
86-30-6	N-Nitrosodiphenylamine	ND		5.4	0.55
91-20-3	Naphthalene	ND		5.4	0.83
98-95-3	Nitrobenzene	ND		5.4	0.32
87-86-5	Pentachlorophenol	~~ND~~	UJ	11	2.4
85-01-8	Phenanthrene	ND		5.4	0.48
108-95-2	Phenol	ND		5.4	0.42
129-00-0	Pyrene	ND		5.4	0.37

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: W100255662.d

Analysis Method: 8270D | Date Collected: 12/08/2023 10:15

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/12/2023 22:20

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695082 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	95		46-120
4165-62-2	Phenol-d5 (Surr)	59		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	93		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	63		41-120
321-60-8	2-Fluorobiphenyl (Surr)	102		48-120
367-12-4	2-Fluorophenol (Surr)	81		35-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: W100255668.d

Analysis Method: 8270D | Date Collected: 12/08/2023 08:36

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/13/2023 01:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695087 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.4	0.71
108-60-1	bis (2-chloroisopropyl) ether	~~ND~~	UJ	5.4	0.57
95-95-4	2,4,5-Trichlorophenol	ND		5.4	0.52
88-06-2	2,4,6-Trichlorophenol	ND		5.4	0.66
120-83-2	2,4-Dichlorophenol	ND		5.4	0.55
105-67-9	2,4-Dimethylphenol	ND		5.4	0.54
51-28-5	2,4-Dinitrophenol	ND		11	2.4
121-14-2	2,4-Dinitrotoluene	ND		5.4	0.49
606-20-2	2,6-Dinitrotoluene	ND		5.4	0.43
91-58-7	2-Chloronaphthalene	ND		5.4	0.50
95-57-8	2-Chlorophenol	ND		5.4	0.58
95-48-7	2-Methylphenol	ND		5.4	0.43
91-57-6	2-Methylnaphthalene	ND		5.4	0.65
88-74-4	2-Nitroaniline	ND		11	0.46
88-75-5	2-Nitrophenol	ND		5.4	0.52
91-94-1	3,3'-Dichlorobenzidine	ND		5.4	0.43
99-09-2	3-Nitroaniline	ND		11	0.52
534-52-1	4,6-Dinitro-2-methylphenol	ND		11	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		5.4	0.49
59-50-7	4-Chloro-3-methylphenol	ND		5.4	0.49
106-47-8	4-Chloroaniline	ND		5.4	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.4	0.38
106-44-5	4-Methylphenol	ND		11	0.39
100-01-6	4-Nitroaniline	ND		11	0.27
100-02-7	4-Nitrophenol	ND		11	1.7
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
98-86-2	Acetophenone	ND		5.4	0.59
120-12-7	Anthracene	ND		5.4	0.30
1912-24-9	Atrazine	ND		5.4	0.50
100-52-7	Benzaldehyde	ND		5.4	0.29
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: W100255668.d

Analysis Method: 8270D | Date Collected: 12/08/2023 08:36

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/13/2023 01:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695087 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
111-91-1	Bis(2-chloroethoxy)methane	ND		5.4	0.38
111-44-4	Bis(2-chloroethyl)ether	ND		5.4	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	~~ND~~	UJ	5.4	2.4
85-68-7	Butyl benzyl phthalate	~~ND~~	UJ	5.4	1.1
105-60-2	Caprolactam	ND		5.4	2.4
86-74-8	Carbazole	ND		5.4	0.33
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
84-74-2	Di-n-butyl phthalate	~~ND~~	UJ	5.4	0.34
117-84-0	Di-n-octyl phthalate	~~ND~~	~~*+~~ UJ	5.4	0.51
132-64-9	Dibenzofuran	ND		11	0.55
84-66-2	Diethyl phthalate	ND		5.4	0.24
131-11-3	Dimethyl phthalate	ND		5.4	0.39
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
118-74-1	Hexachlorobenzene	ND		5.4	0.55
87-68-3	Hexachlorobutadiene	ND		5.4	0.74
77-47-4	Hexachlorocyclopentadiene	ND		5.4	0.64
67-72-1	Hexachloroethane	ND		5.4	0.64
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
78-59-1	Isophorone	ND		5.4	0.47
621-64-7	N-Nitrosodi-n-propylamine	ND		5.4	0.59
86-30-6	N-Nitrosodiphenylamine	ND		5.4	0.55
91-20-3	Naphthalene	ND		5.4	0.83
98-95-3	Nitrobenzene	ND		5.4	0.32
87-86-5	Pentachlorophenol	~~ND~~	UJ	11	2.4
85-01-8	Phenanthrene	ND		5.4	0.48
108-95-2	Phenol	ND		5.4	0.42
129-00-0	Pyrene	ND		5.4	0.37

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: W100255668.d

Analysis Method: 8270D | Date Collected: 12/08/2023 08:36

Extract. Method: 3510C | Date Extracted: 12/11/2023 14:21

Sample wt/vol: 230(mL) | Date Analyzed: 12/13/2023 01:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695087 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	88		46-120
4165-62-2	Phenol-d5 (Surr)	55		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	103		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	51		41-120
321-60-8	2-Fluorobiphenyl (Surr)	91		48-120
367-12-4	2-Fluorophenol (Surr)	75		35-120

QC NONCONFORMANCE DOCUMENTATION

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Lab Sample ID: CCVIS 480-694554/3 Calibration Date: 12/07/2023 11:32

Instrument ID: HP5973Y Calib Start Date: 11/04/2023 11:00

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/04/2023 14:12

Lab File ID: Y034396.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4512	0.4106	0.0100	3640	4000	-9.0	20.0
N-Nitrosodimethylamine	Ave	0.4134	0.4194	0.0100	4060	4000	1.5	50.0
Pyridine	Ave	0.5539	0.4711	0.0100	6800	8000	-15.0	50.0
Benzaldehyde	Lin2		0.7725	0.0100	7560	8000	-5.5	50.0
Phenol	Lin2		1.411	0.8000	4040	4000	1.0	20.0
Aniline	Ave	1.492	1.319	0.0100	3540	4000	-11.6	20.0
Bis(2-chloroethyl)ether	Lin2		0.9883	0.7000	3650	4000	-8.8	20.0
2-Chlorophenol	Ave	1.265	1.255	0.8000	3970	4000	-0.8	20.0
n-Decane	Lin2		0.9272	0.0100	3660	4000	-8.6	20.0
1,3-Dichlorobenzene	Ave	1.499	1.511	0.0100	4030	4000	0.8	20.0
1,4-Dichlorobenzene	Ave	1.511	1.499	0.0100	3970	4000	-0.7	20.0
Benzyl alcohol	Lin2		0.6204	0.0100	3540	4000	-11.6	20.0
1,2-Dichlorobenzene	Ave	1.458	1.436	0.0100	3940	4000	-1.5	20.0
2-Methylphenol	Ave	1.093	1.001	0.7000	3660	4000	-8.5	20.0
bis (2-chloroisopropyl) ether	Lin2		0.8928	0.0100	3320	4000	-17.0	20.0
Indene	Ave	2.008	2.122	0.0100	21100	20000	5.7	20.0
N-Nitrosodi-n-propylamine	Lin2		0.6512	0.5000	3710	4000	-7.2	20.0
4-Methylphenol	Ave	1.098	1.029	0.6000	3750	4000	-6.3	20.0
Acetophenone	Lin2		1.507	0.0100	3870	4000	-3.3	20.0
Hexachloroethane	Ave	0.5599	0.5627	0.3000	4020	4000	0.5	20.0
Nitrobenzene	Ave	0.3029	0.3063	0.2000	4050	4000	1.1	20.0
Isophorone	Lin2		0.5123	0.4000	3660	4000	-8.5	20.0
2-Nitrophenol	Lin2		0.1876	0.1000	3910	4000	-2.3	20.0
2,4-Dimethylphenol	Ave	0.2666	0.2702	0.2000	4050	4000	1.3	20.0
Bis(2-chloroethoxy)methane	Lin2		0.3352	0.3000	3830	4000	-4.2	20.0
Benzoic acid	Lin2		0.1234	0.0100	14200	20000	-28.9	50.0
2,4-Dichlorophenol	Lin2		0.3058	0.2000	4160	4000	3.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3538	0.3665	0.0100	4140	4000	3.6	20.0
Naphthalene	Ave	1.032	1.026	0.7000	3980	4000	-0.6	20.0
4-Chloroaniline	Lin2		0.3672	0.0100	4200	4000	5.0	20.0
2,6-Dichlorophenol	Ave	0.2944	0.3062	0.0100	4160	4000	4.0	20.0
Hexachlorobutadiene	Ave	0.2095	0.2321	0.0100	4430	4000	10.8	20.0
Caprolactam	Lin2		0.0791	0.0100	6800	8000	-15.0	50.0
4-Chloro-3-methylphenol	Lin2		0.2671	0.2000	3970	4000	-0.7	20.0
2-Methylnaphthalene	Lin2		0.6846	0.4000	4010	4000	0.3	20.0
1-Methylnaphthalene	Ave	0.6445	0.6411	0.0100	3980	4000	-0.5	20.0
Hexachlorocyclopentadiene	Lin2		0.2241	0.0500	3060	4000	-23.5*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6428	0.6451	0.0100	4010	4000	0.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3843	0.2000	3910	4000	-2.3	20.0
2,4,5-Trichlorophenol	Lin2		0.4009	0.2000	3850	4000	-3.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Lab Sample ID: CCVIS 480-694554/3 Calibration Date: 12/07/2023 11:32

Instrument ID: HP5973Y Calib Start Date: 11/04/2023 11:00

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/04/2023 14:12

Lab File ID: Y034396.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Lin2		1.411	0.0100	3920	4000	-1.9	20.0
2-Chloronaphthalene	Lin2		1.141	0.8000	3940	4000	-1.5	20.0
2-Nitroaniline	Lin2		0.2320	0.0100	3660	4000	-8.6	20.0
Dimethyl phthalate	Lin2		1.256	0.0100	4020	4000	0.6	20.0
1,3-Dinitrobenzene	Lin2		0.1033	0.0100	3710	4000	-7.3	20.0
2,6-Dinitrotoluene	Lin2		0.2829	0.2000	3870	4000	-3.2	20.0
Acenaphthylene	Lin2		1.765	0.9000	3920	4000	-2.0	20.0
3-Nitroaniline	Lin1		0.2571	0.0100	3460	4000	-13.5	20.0
Acenaphthene	Ave	1.202	1.200	0.9000	3990	4000	-0.2	20.0
2,4-Dinitrophenol	Lin1		0.0913	0.0100	5080	8000	-36.5*	20.0
4-Nitrophenol	Lin2		0.1288	0.0100	8770	8000	9.6	20.0
2,4-Dinitrotoluene	Lin2		0.3641	0.2000	3790	4000	-5.3	20.0
Dibenzofuran	Lin2		1.598	0.8000	3930	4000	-1.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2804	0.0100	3260	4000	-18.4	20.0
Hexadecane	Lin2		0.5171	0.0100	3590	4000	-10.2	20.0
Diethyl phthalate	Lin2		1.269	0.0100	4230	4000	5.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.6733	0.6636	0.4000	3940	4000	-1.4	20.0
Fluorene	Lin2		1.284	0.9000	3940	4000	-1.6	20.0
4-Nitroaniline	Lin2		0.2372	0.0100	3310	4000	-17.2	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.0962	0.0100	6500	8000	-18.8	20.0
Diphenylamine	Lin2		0.5975	0.0100	3400	3420	-0.5	20.0
N-Nitrosodiphenylamine	Lin2		0.5108	0.0100	3980	4000	-0.5	20.0
1,2-Diphenylhydrazine	Lin2		0.5591	0.0100	3910	4000	-2.3	20.0
trans-Azobenzene	Lin2		0.5591	0.0100	3910	4000	-2.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2484	0.2578	0.1000	4150	4000	3.8	20.0
Hexachlorobenzene	Lin2		0.3397	0.1000	4330	4000	8.3	20.0
Atrazine	Lin2		0.3589	0.0100	8910	8000	11.4	20.0
n-Octadecane	Lin2		0.3110	0.0100	3720	4000	-7.0	20.0
Pentachlorophenol	Lin1		0.0591	0.0500	3500	8000	-56.2*	50.0
Phenanthrene	Lin2		1.037	0.7000	4070	4000	1.7	20.0
Anthracene	Ave	1.027	1.034	0.7000	4030	4000	0.7	20.0
Carbazole	Lin2		0.6342	0.0100	3000	4000	-25.0*	20.0
Di-n-butyl phthalate	Lin2		1.247	0.0100	4340	4000	8.6	20.0
Fluoranthene	Ave	1.144	1.161	0.6000	4060	4000	1.5	20.0
Benzidine	Ave	0.4361	0.2877	0.0100	5280	8000	-34.0	50.0
Pyrene	Ave	1.302	1.360	0.6000	4180	4000	4.5	20.0
Butyl benzyl phthalate	Ave	0.5608	0.5987	0.0100	4270	4000	6.8	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8933	0.0100	4320	4000	8.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4717	0.4035	0.0100	6840	8000	-14.4	50.0
Benzo[a]anthracene	Ave	1.278	1.279	0.8000	4000	4000	0.1	20.0
Chrysene	Ave	1.186	1.206	0.7000	4070	4000	1.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215480-1

SDG No.:

Lab Sample ID: CCVIS 480-695050/3 Calibration Date: 12/12/2023 09:25

Instrument ID: HP5973Y Calib Start Date: 11/04/2023 11:00

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/04/2023 14:12

Lab File ID: Y034519.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4512	0.4066	0.0100	3600	4000	-9.9	20.0
N-Nitrosodimethylamine	Ave	0.4134	0.4435	0.0100	4290	4000	7.3	50.0
Pyridine	Ave	0.5539	0.4658	0.0100	6730	8000	-15.9	50.0
Benzaldehyde	Lin2		0.7523	0.0100	7360	8000	-8.0	50.0
Phenol	Lin2		1.246	0.8000	3570	4000	-10.8	20.0
Aniline	Ave	1.492	1.318	0.0100	3530	4000	-11.7	20.0
Bis(2-chloroethyl)ether	Lin2		1.011	0.7000	3730	4000	-6.6	20.0
2-Chlorophenol	Ave	1.265	1.229	0.8000	3890	4000	-2.8	20.0
n-Decane	Lin2		0.8987	0.0100	3540	4000	-11.4	20.0
1,3-Dichlorobenzene	Ave	1.499	1.468	0.0100	3920	4000	-2.1	20.0
1,4-Dichlorobenzene	Ave	1.511	1.513	0.0100	4010	4000	0.1	20.0
Benzyl alcohol	Lin2		0.5653	0.0100	3240	4000	-19.1	20.0
1,2-Dichlorobenzene	Ave	1.458	1.406	0.0100	3860	4000	-3.6	20.0
2-Methylphenol	Ave	1.093	1.031	0.7000	3770	4000	-5.7	20.0
bis (2-chloroisopropyl) ether	Lin2		0.8530	0.0100	3170	4000	-20.8*	20.0
Indene	Ave	2.008	2.121	0.0100	21100	20000	5.6	20.0
N-Nitrosodi-n-propylamine	Lin2		0.6645	0.5000	3790	4000	-5.3	20.0
4-Methylphenol	Ave	1.098	0.9813	0.6000	3570	4000	-10.6	20.0
Acetophenone	Lin2		1.509	0.0100	3870	4000	-3.1	20.0
Hexachloroethane	Ave	0.5599	0.5740	0.3000	4100	4000	2.5	20.0
Nitrobenzene	Ave	0.3029	0.3014	0.2000	3980	4000	-0.5	20.0
Isophorone	Lin2		0.5377	0.4000	3840	4000	-3.9	20.0
2-Nitrophenol	Lin2		0.1930	0.1000	4020	4000	0.5	20.0
2,4-Dimethylphenol	Ave	0.2666	0.2809	0.2000	4210	4000	5.4	20.0
Bis(2-chloroethoxy)methane	Lin2		0.3189	0.3000	3640	4000	-8.9	20.0
Benzoic acid	Lin2		0.1265	0.0100	14500	20000	-27.5	50.0
2,4-Dichlorophenol	Lin2		0.2954	0.2000	4020	4000	0.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3538	0.3658	0.0100	4140	4000	3.4	20.0
Naphthalene	Ave	1.032	1.026	0.7000	3970	4000	-0.6	20.0
4-Chloroaniline	Lin2		0.3670	0.0100	4200	4000	4.9	20.0
2,6-Dichlorophenol	Ave	0.2944	0.2987	0.0100	4060	4000	1.5	20.0
Hexachlorobutadiene	Ave	0.2095	0.2388	0.0100	4560	4000	14.0	20.0
Caprolactam	Lin2		0.0838	0.0100	7200	8000	-10.0	50.0
4-Chloro-3-methylphenol	Lin2		0.2711	0.2000	4030	4000	0.8	20.0
2-Methylnaphthalene	Lin2		0.6843	0.4000	4010	4000	0.2	20.0
1-Methylnaphthalene	Ave	0.6445	0.6528	0.0100	4050	4000	1.3	20.0
Hexachlorocyclopentadiene	Lin2		0.2374	0.0500	3230	4000	-19.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6428	0.6761	0.0100	4210	4000	5.2	20.0
2,4,6-Trichlorophenol	Lin2		0.3856	0.2000	3920	4000	-2.0	20.0
2,4,5-Trichlorophenol	Lin2		0.4106	0.2000	3940	4000	-1.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215480-1

SDG No.:

Lab Sample ID: CCVIS 480-695050/3 Calibration Date: 12/12/2023 09:25

Instrument ID: HP5973Y Calib Start Date: 11/04/2023 11:00

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/04/2023 14:12

Lab File ID: Y034519.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Lin2		1.445	0.0100	4020	4000	0.5	20.0
2-Chloronaphthalene	Lin2		1.181	0.8000	4080	4000	2.0	20.0
2-Nitroaniline	Lin2		0.2504	0.0100	3940	4000	-1.5	20.0
Dimethyl phthalate	Lin2		1.371	0.0100	4390	4000	9.9	20.0
1,3-Dinitrobenzene	Lin2		0.1096	0.0100	3930	4000	-1.8	20.0
2,6-Dinitrotoluene	Lin2		0.2980	0.2000	4080	4000	1.9	20.0
Acenaphthylene	Lin2		1.853	0.9000	4110	4000	2.8	20.0
3-Nitroaniline	Lin1		0.2565	0.0100	3450	4000	-13.8	20.0
2,4-Dinitrophenol	Lin1		0.1312	0.0100	6880	8000	-14.0	20.0
Acenaphthene	Ave	1.202	1.227	0.9000	4080	4000	2.0	20.0
4-Nitrophenol	Lin2		0.1407	0.0100	9520	8000	19.1	20.0
2,4-Dinitrotoluene	Lin2		0.3975	0.2000	4130	4000	3.2	20.0
Dibenzofuran	Lin2		1.636	0.8000	4020	4000	0.6	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3263	0.0100	3770	4000	-5.6	20.0
Hexadecane	Lin2		0.5221	0.0100	3630	4000	-9.3	20.0
Diethyl phthalate	Lin2		1.365	0.0100	4550	4000	13.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.6733	0.6815	0.4000	4050	4000	1.2	20.0
Fluorene	Lin2		1.333	0.9000	4090	4000	2.2	20.0
4-Nitroaniline	Lin2		0.2955	0.0100	4110	4000	2.9	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1161	0.0100	7740	8000	-3.2	20.0
Diphenylamine	Lin2		0.5910	0.0100	3360	3420	-1.6	20.0
N-Nitrosodiphenylamine	Lin2		0.5053	0.0100	3940	4000	-1.6	20.0
1,2-Diphenylhydrazine	Lin2		0.5706	0.0100	3990	4000	-0.2	20.0
trans-Azobenzene	Lin2		0.5706	0.0100	3990	4000	-0.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2484	0.2514	0.1000	4050	4000	1.2	20.0
Hexachlorobenzene	Lin2		0.3371	0.1000	4300	4000	7.5	20.0
Atrazine	Lin2		0.3738	0.0100	9290	8000	16.2	20.0
n-Octadecane	Lin2		0.2999	0.0100	3580	4000	-10.4	20.0
Pentachlorophenol	Lin1		0.1075	0.0500	5800	8000	-27.5	50.0
Phenanthrene	Lin2		1.018	0.7000	3990	4000	-0.1	20.0
Anthracene	Ave	1.027	1.028	0.7000	4000	4000	0.0	20.0
Carbazole	Lin2		0.7557	0.0100	3590	4000	-10.3	20.0
Di-n-butyl phthalate	Lin2		1.257	0.0100	4380	4000	9.5	20.0
Fluoranthene	Ave	1.144	1.185	0.6000	4140	4000	3.5	20.0
Benzidine	Ave	0.4361	0.2395	0.0100	4390	8000	-45.1	50.0
Pyrene	Ave	1.302	1.332	0.6000	4090	4000	2.3	20.0
Butyl benzyl phthalate	Ave	0.5608	0.6025	0.0100	4300	4000	7.4	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8961	0.0100	4340	4000	8.4	20.0
3,3'-Dichlorobenzidine	Ave	0.4717	0.4022	0.0100	6820	8000	-14.7	50.0
Benzo[a]anthracene	Ave	1.278	1.304	0.8000	4080	4000	2.0	20.0
Chrysene	Ave	1.186	1.189	0.7000	4010	4000	0.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Lab Sample ID: CCVIS 480-695058/3 | Calibration Date: 12/12/2023 21:51

Instrument ID: HP5973Y | Calib Start Date: 11/04/2023 11:00

GC Column: RXI-5Sil MS ID: 0.25(mm) | Calib End Date: 11/04/2023 14:12

Lab File ID: Y034546.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4512	0.4055	0.0100	3590	4000	-10.1	20.0
N-Nitrosodimethylamine	Ave	0.4134	0.4265	0.0100	4130	4000	3.2	50.0
Pyridine	Ave	0.5539	0.4584	0.0100	6620	8000	-17.2	50.0
Benzaldehyde	Lin2		0.7334	0.0100	7170	8000	-10.4	50.0
Phenol	Lin2		1.242	0.8000	3560	4000	-11.1	20.0
Aniline	Ave	1.492	1.311	0.0100	3510	4000	-12.1	20.0
Bis(2-chloroethyl)ether	Lin2		0.9480	0.7000	3500	4000	-12.6	20.0
2-Chlorophenol	Ave	1.265	1.225	0.8000	3880	4000	-3.1	20.0
n-Decane	Lin2		0.8666	0.0100	3410	4000	-14.6	20.0
1,3-Dichlorobenzene	Ave	1.499	1.457	0.0100	3890	4000	-2.8	20.0
1,4-Dichlorobenzene	Ave	1.511	1.461	0.0100	3870	4000	-3.3	20.0
Benzyl alcohol	Lin2		0.5822	0.0100	3330	4000	-16.8	20.0
1,2-Dichlorobenzene	Ave	1.458	1.383	0.0100	3790	4000	-5.2	20.0
2-Methylphenol	Ave	1.093	0.9423	0.7000	3450	4000	-13.8	20.0
bis (2-chloroisopropyl) ether	Lin2		0.8304	0.0100	3080	4000	-23.0*	20.0
Indene	Ave	2.008	2.073	0.0100	20600	20000	3.2	20.0
N-Nitrosodi-n-propylamine	Lin2		0.6446	0.5000	3670	4000	-8.2	20.0
4-Methylphenol	Ave	1.098	0.9739	0.6000	3550	4000	-11.3	20.0
Acetophenone	Lin2		1.472	0.0100	3780	4000	-5.5	20.0
Hexachloroethane	Ave	0.5599	0.5596	0.3000	4000	4000	-0.0	20.0
Nitrobenzene	Ave	0.3029	0.3047	0.2000	4020	4000	0.6	20.0
Isophorone	Lin2		0.5351	0.4000	3820	4000	-4.4	20.0
2-Nitrophenol	Lin2		0.1889	0.1000	3930	4000	-1.6	20.0
2,4-Dimethylphenol	Ave	0.2666	0.2766	0.2000	4150	4000	3.8	20.0
Bis(2-chloroethoxy)methane	Lin2		0.3282	0.3000	3750	4000	-6.2	20.0
Benzoic acid	Lin2		0.1170	0.0100	13700	20000	-31.7	50.0
2,4-Dichlorophenol	Lin2		0.2987	0.2000	4060	4000	1.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3538	0.3766	0.0100	4260	4000	6.4	20.0
Naphthalene	Ave	1.032	1.021	0.7000	3960	4000	-1.1	20.0
4-Chloroaniline	Lin2		0.3655	0.0100	4180	4000	4.5	20.0
2,6-Dichlorophenol	Ave	0.2944	0.2900	0.0100	3940	4000	-1.5	20.0
Hexachlorobutadiene	Ave	0.2095	0.2406	0.0100	4590	4000	14.8	20.0
Caprolactam	Lin2		0.0814	0.0100	7000	8000	-12.5	50.0
4-Chloro-3-methylphenol	Lin2		0.2662	0.2000	3960	4000	-1.0	20.0
2-Methylnaphthalene	Lin2		0.6890	0.4000	4040	4000	0.9	20.0
1-Methylnaphthalene	Ave	0.6445	0.6550	0.0100	4070	4000	1.6	20.0
Hexachlorocyclopentadiene	Lin2		0.2189	0.0500	2990	4000	-25.2*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6428	0.6931	0.0100	4310	4000	7.8	20.0
2,4,6-Trichlorophenol	Lin2		0.3802	0.2000	3870	4000	-3.3	20.0
2,4,5-Trichlorophenol	Lin2		0.3616	0.2000	3480	4000	-13.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG No.:

Lab Sample ID: CCVIS 480-695058/3 Calibration Date: 12/12/2023 21:51

Instrument ID: HP5973Y Calib Start Date: 11/04/2023 11:00

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/04/2023 14:12

Lab File ID: Y034546.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Lin2		1.454	0.0100	4040	4000	1.1	20.0
2-Chloronaphthalene	Lin2		1.188	0.8000	4110	4000	2.6	20.0
2-Nitroaniline	Lin2		0.2362	0.0100	3720	4000	-7.0	20.0
Dimethyl phthalate	Lin2		1.352	0.0100	4330	4000	8.3	20.0
1,3-Dinitrobenzene	Lin2		0.1096	0.0100	3930	4000	-1.8	20.0
2,6-Dinitrotoluene	Lin2		0.3035	0.2000	4150	4000	3.8	20.0
Acenaphthylene	Lin2		1.883	0.9000	4180	4000	4.5	20.0
3-Nitroaniline	Lin1		0.2938	0.0100	3940	4000	-1.5	20.0
Acenaphthene	Ave	1.202	1.244	0.9000	4140	4000	3.5	20.0
2,4-Dinitrophenol	Lin1		0.1163	0.0100	6210	8000	-22.4*	20.0
4-Nitrophenol	Lin2		0.1210	0.0100	8270	8000	3.4	20.0
2,4-Dinitrotoluene	Lin2		0.3985	0.2000	4140	4000	3.5	20.0
Dibenzofuran	Lin2		1.651	0.8000	4060	4000	1.6	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3044	0.0100	3530	4000	-11.7	20.0
Hexadecane	Lin2		0.5339	0.0100	3710	4000	-7.2	20.0
Diethyl phthalate	Lin2		1.341	0.0100	4470	4000	11.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.6733	0.6953	0.4000	4130	4000	3.3	20.0
4-Nitroaniline	Lin2		0.2735	0.0100	3810	4000	-4.7	20.0
Fluorene	Lin2		1.317	0.9000	4040	4000	0.9	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1082	0.0100	7250	8000	-9.4	20.0
Diphenylamine	Lin2		0.5980	0.0100	3410	3420	-0.4	20.0
N-Nitrosodiphenylamine	Lin2		0.5113	0.0100	3980	4000	-0.4	20.0
1,2-Diphenylhydrazine	Lin2		0.5689	0.0100	3980	4000	-0.5	20.0
trans-Azobenzene	Lin2		0.5689	0.0100	3980	4000	-0.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2484	0.2600	0.1000	4190	4000	4.6	20.0
Hexachlorobenzene	Lin2		0.3423	0.1000	4370	4000	9.1	20.0
Atrazine	Lin2		0.3780	0.0100	9400	8000	17.5	20.0
n-Octadecane	Lin2		0.3018	0.0100	3610	4000	-9.8	20.0
Pentachlorophenol	Lin1		0.1036	0.0500	5610	8000	-29.8	50.0
Phenanthrene	Lin2		1.018	0.7000	4000	4000	-0.0	20.0
Anthracene	Ave	1.027	1.062	0.7000	4140	4000	3.4	20.0
Carbazole	Lin2		0.8837	0.0100	4210	4000	5.2	20.0
Di-n-butyl phthalate	Lin2		1.272	0.0100	4430	4000	10.8	20.0
Fluoranthene	Ave	1.144	1.170	0.6000	4090	4000	2.2	20.0
Benzidine	Ave	0.4361	0.3896	0.0100	7150	8000	-10.7	50.0
Pyrene	Ave	1.302	1.288	0.6000	3960	4000	-1.1	20.0
Butyl benzyl phthalate	Ave	0.5608	0.5986	0.0100	4270	4000	6.7	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8823	0.0100	4270	4000	6.7	20.0
3,3'-Dichlorobenzidine	Ave	0.4717	0.4736	0.0100	8030	8000	0.4	50.0
Benzo[a]anthracene	Ave	1.278	1.257	0.8000	3940	4000	-1.6	20.0
Chrysene	Ave	1.186	1.167	0.7000	3940	4000	-1.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Lab Sample ID: CCVIS 480-695082/3 Calibration Date: 12/12/2023 11:17

Instrument ID: HP5973W Calib Start Date: 11/21/2023 10:18

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/21/2023 13:32

Lab File ID: W100255638.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.6185	0.0100	4430	4000	10.7	20.0
N-Nitrosodimethylamine	Lin2		0.8993	0.0100	5310	4000	32.7	50.0
Pyridine	Ave	0.9457	1.116	0.0100	9440	8000	18.0	50.0
Benzaldehyde	Lin1		1.092	0.0100	9090	8000	13.6	50.0
Phenol	Lin2		1.716	0.8000	4180	4000	4.4	20.0
Aniline	Ave	1.804	1.791	0.0100	3970	4000	-0.7	20.0
Bis(2-chloroethyl)ether	Lin2		1.481	0.7000	4230	4000	5.7	20.0
2-Chlorophenol	Ave	1.355	1.402	0.8000	4140	4000	3.5	20.0
n-Decane	Lin2		2.068	0.0100	4880	4000	22.1*	20.0
1,3-Dichlorobenzene	Ave	1.509	1.528	0.0100	4050	4000	1.2	20.0
1,4-Dichlorobenzene	Ave	1.549	1.550	0.0100	4000	4000	0.0	20.0
Benzyl alcohol	Lin2		0.8668	0.0100	4090	4000	2.3	20.0
1,2-Dichlorobenzene	Ave	1.456	1.431	0.0100	3930	4000	-1.7	20.0
2-Methylphenol	Lin2		1.244	0.7000	3940	4000	-1.5	20.0
bis (2-chloroisopropyl) ether	Lin2		2.500	0.0100	4910	4000	22.9*	20.0
Indene	Ave	0.6169	0.6506	0.0100	21100	20000	5.5	20.0
4-Methylphenol	Lin2		1.282	0.6000	3840	4000	-4.1	20.0
N-Nitrosodi-n-propylamine	Lin2		1.006	0.5000	4020	4000	0.6	20.0
Acetophenone	Ave	1.883	1.873	0.0100	3980	4000	-0.5	20.0
Hexachloroethane	Ave	0.6124	0.6479	0.3000	4230	4000	5.8	20.0
Nitrobenzene	Lin2		0.3913	0.2000	4150	4000	3.7	20.0
Isophorone	Lin2		0.6999	0.4000	4130	4000	3.2	20.0
2-Nitrophenol	Lin2		0.1874	0.1000	4150	4000	3.7	20.0
2,4-Dimethylphenol	Ave	0.2888	0.2878	0.2000	3990	4000	-0.3	20.0
Bis(2-chloroethoxy)methane	Lin2		0.4287	0.3000	4040	4000	0.9	20.0
Benzoic acid	Lin2		0.1644	0.0100	16400	20000	-18.0	50.0
2,4-Dichlorophenol	Lin2		0.2537	0.2000	3580	4000	-10.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3148	0.2908	0.0100	3700	4000	-7.6	20.0
Naphthalene	Lin2		1.030	0.7000	3980	4000	-0.4	20.0
4-Chloroaniline	Lin2		0.3817	0.0100	3970	4000	-0.7	20.0
2,6-Dichlorophenol	Lin2		0.2595	0.0100	3720	4000	-7.1	20.0
Hexachlorobutadiene	Ave	0.1780	0.1484	0.0100	3340	4000	-16.6	20.0
Caprolactam	Lin2		0.1066	0.0100	7820	8000	-2.2	50.0
4-Chloro-3-methylphenol	Lin2		0.2815	0.2000	4020	4000	0.6	20.0
2-Methylnaphthalene	Lin2		0.6628	0.4000	3930	4000	-1.8	20.0
1-Methylnaphthalene	Lin2		0.6284	0.0100	3990	4000	-0.4	20.0
Hexachlorocyclopentadiene	Lin2		0.2400	0.0500	3470	4000	-13.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5840	0.5174	0.0100	3540	4000	-11.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3809	0.2000	3950	4000	-1.4	20.0
2,4,5-Trichlorophenol	Lin2		0.3650	0.2000	3750	4000	-6.3	20.0
Biphenyl	Lin2		1.597	0.0100	4290	4000	7.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Lab Sample ID: CCVIS 480-695082/3 Calibration Date: 12/12/2023 11:17

Instrument ID: HP5973W Calib Start Date: 11/21/2023 10:18

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/21/2023 13:32

Lab File ID: W100255638.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.199	1.211	0.8000	4040	4000	1.0	20.0
2-Nitroaniline	Lin2		0.3861	0.0100	4380	4000	9.5	20.0
Dimethyl phthalate	Ave	1.283	1.320	0.0100	4120	4000	2.9	20.0
1,3-Dinitrobenzene	Lin1		0.0917	0.0100	3590	4000	-10.3	20.0
2,6-Dinitrotoluene	Lin2		0.3021	0.2000	4090	4000	2.3	20.0
Acenaphthylene	Lin2		1.910	0.9000	4320	4000	8.0	20.0
3-Nitroaniline	Lin1		0.2733	0.0100	3460	4000	-13.6	20.0
2,4-Dinitrophenol	Lin1		0.1197	0.0100	7410	8000	-7.4	20.0
Acenaphthene	Ave	1.217	1.265	0.9000	4160	4000	4.0	20.0
4-Nitrophenol	Lin2		0.1493	0.0100	7900	8000	-1.2	20.0
2,4-Dinitrotoluene	Lin1		0.3685	0.2000	3930	4000	-1.7	20.0
Dibenzofuran	Ave	1.590	1.598	0.8000	4020	4000	0.5	20.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2541	0.0100	3360	4000	-16.0	20.0
Hexadecane	Lin2		1.180	0.0100	4900	4000	22.4*	20.0
Diethyl phthalate	Ave	1.292	1.394	0.0100	4320	4000	7.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.6338	0.5841	0.4000	3690	4000	-7.8	20.0
4-Nitroaniline	Lin2		0.3326	0.0100	4050	4000	1.2	20.0
Fluorene	Lin2		1.377	0.9000	4120	4000	3.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1108	0.0100	7660	8000	-4.2	20.0
Diphenylamine	Ave	0.6749	0.6591	0.0100	3340	3420	-2.3	20.0
N-Nitrosodiphenylamine	Ave	0.5770	0.5635	0.0100	3910	4000	-2.3	20.0
1,2-Diphenylhydrazine	Lin2		1.607	0.0100	4730	4000	18.3	20.0
trans-Azobenzene	Lin2		0.9758	0.0100	4720	4000	18.1	20.0
4-Bromophenyl phenyl ether	Lin2		0.2012	0.1000	3750	4000	-6.2	20.0
Hexachlorobenzene	Ave	0.2675	0.2232	0.1000	3340	4000	-16.6	20.0
Atrazine	Lin2		0.3391	0.0100	8350	8000	4.4	20.0
n-Octadecane	Lin2		0.7059	0.0100	4880	4000	22.1*	20.0
Pentachlorophenol	Lin1		0.0944	0.0500	5580	8000	-30.3	50.0
Phenanthrene	Lin2		1.147	0.7000	4180	4000	4.5	20.0
Anthracene	Lin2		1.116	0.7000	4170	4000	4.3	20.0
Carbazole	Lin1		0.8008	0.0100	3650	4000	-8.7	20.0
Di-n-butyl phthalate	Lin2		1.420	0.0100	4810	4000	20.3*	20.0
Fluoranthene	Lin2		1.064	0.6000	3950	4000	-1.2	20.0
Benzidine	Lin1		0.2648	0.0100	5610	8000	-29.8	50.0
Pyrene	Lin2		1.633	0.6000	4470	4000	11.7	20.0
Butyl benzyl phthalate	Lin2		0.8761	0.0100	5070	4000	26.8*	20.0
Bis(2-ethylhexyl) phthalate	Lin2		1.281	0.0100	5380	4000	34.5*	20.0
3,3'-Dichlorobenzidine	Ave	0.4605	0.3986	0.0100	6920	8000	-13.4	50.0
Benzo[a]anthracene	Ave	1.369	1.398	0.8000	4080	4000	2.1	20.0
Chrysene	Lin2		1.274	0.7000	4070	4000	1.8	20.0
Di-n-octyl phthalate	Lin2		2.099	0.0100	5460	4000	36.6*	20.0
Benzo[b]fluoranthene	Lin2		1.119	0.7000	3700	4000	-7.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Lab Sample ID: CCVIS 480-695087/3 Calibration Date: 12/12/2023 23:42

Instrument ID: HP5973W Calib Start Date: 11/21/2023 10:18

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/21/2023 13:32

Lab File ID: W100255665.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.6123	0.0100	4380	4000	9.6	20.0
N-Nitrosodimethylamine	Lin2		0.9005	0.0100	5320	4000	32.9	50.0
Pyridine	Ave	0.9457	1.072	0.0100	9070	8000	13.4	50.0
Benzaldehyde	Lin1		1.118	0.0100	9320	8000	16.5	50.0
Phenol	Lin2		1.684	0.8000	4100	4000	2.5	20.0
Aniline	Ave	1.804	1.800	0.0100	3990	4000	-0.2	20.0
Bis(2-chloroethyl)ether	Lin2		1.509	0.7000	4310	4000	7.7	20.0
2-Chlorophenol	Ave	1.355	1.391	0.8000	4110	4000	2.7	20.0
n-Decane	Lin2		2.058	0.0100	4860	4000	21.5*	20.0
1,3-Dichlorobenzene	Ave	1.509	1.537	0.0100	4070	4000	1.8	20.0
1,4-Dichlorobenzene	Ave	1.549	1.565	0.0100	4040	4000	1.0	20.0
Benzyl alcohol	Lin2		0.7800	0.0100	3700	4000	-7.6	20.0
1,2-Dichlorobenzene	Ave	1.456	1.479	0.0100	4060	4000	1.6	20.0
2-Methylphenol	Lin2		1.196	0.7000	3790	4000	-5.3	20.0
bis (2-chloroisopropyl) ether	Lin2		2.479	0.0100	4870	4000	21.8*	20.0
Indene	Ave	0.6169	0.6474	0.0100	21000	20000	4.9	20.0
4-Methylphenol	Lin2		1.268	0.6000	3790	4000	-5.1	20.0
N-Nitrosodi-n-propylamine	Lin2		0.9867	0.5000	3950	4000	-1.4	20.0
Acetophenone	Ave	1.883	1.857	0.0100	3940	4000	-1.4	20.0
Hexachloroethane	Ave	0.6124	0.6525	0.3000	4260	4000	6.6	20.0
Nitrobenzene	Lin2		0.3951	0.2000	4190	4000	4.7	20.0
Isophorone	Lin2		0.6920	0.4000	4080	4000	2.0	20.0
2-Nitrophenol	Lin2		0.1834	0.1000	4060	4000	1.5	20.0
2,4-Dimethylphenol	Ave	0.2888	0.2813	0.2000	3900	4000	-2.6	20.0
Bis(2-chloroethoxy)methane	Lin2		0.4353	0.3000	4100	4000	2.5	20.0
Benzoic acid	Lin2		0.1710	0.0100	16900	20000	-15.4	50.0
2,4-Dichlorophenol	Lin2		0.2501	0.2000	3530	4000	-11.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3148	0.2988	0.0100	3800	4000	-5.1	20.0
Naphthalene	Lin2		1.027	0.7000	3970	4000	-0.7	20.0
4-Chloroaniline	Lin2		0.3876	0.0100	4030	4000	0.8	20.0
2,6-Dichlorophenol	Lin2		0.2516	0.0100	3610	4000	-9.9	20.0
Hexachlorobutadiene	Ave	0.1780	0.1500	0.0100	3370	4000	-15.7	20.0
Caprolactam	Lin2		0.1031	0.0100	7570	8000	-5.4	50.0
4-Chloro-3-methylphenol	Lin2		0.2730	0.2000	3910	4000	-2.3	20.0
2-Methylnaphthalene	Lin2		0.6679	0.4000	3960	4000	-1.0	20.0
1-Methylnaphthalene	Lin2		0.6221	0.0100	3950	4000	-1.4	20.0
Hexachlorocyclopentadiene	Lin2		0.2259	0.0500	3270	4000	-18.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5840	0.5115	0.0100	3500	4000	-12.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3363	0.2000	3490	4000	-12.6	20.0
2,4,5-Trichlorophenol	Lin2		0.3464	0.2000	3560	4000	-11.1	20.0
Biphenyl	Lin2		1.569	0.0100	4220	4000	5.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Lab Sample ID: CCVIS 480-695087/3 Calibration Date: 12/12/2023 23:42

Instrument ID: HP5973W Calib Start Date: 11/21/2023 10:18

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/21/2023 13:32

Lab File ID: W100255665.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.199	1.201	0.8000	4010	4000	0.2	20.0
2-Nitroaniline	Lin2		0.3746	0.0100	4250	4000	6.3	20.0
Dimethyl phthalate	Ave	1.283	1.326	0.0100	4130	4000	3.3	20.0
1,3-Dinitrobenzene	Lin1		0.0900	0.0100	3530	4000	-11.8	20.0
2,6-Dinitrotoluene	Lin2		0.2889	0.2000	3920	4000	-2.0	20.0
Acenaphthylene	Lin2		1.895	0.9000	4290	4000	7.2	20.0
3-Nitroaniline	Lin1		0.3002	0.0100	3780	4000	-5.5	20.0
2,4-Dinitrophenol	Lin1		0.1058	0.0100	6740	8000	-15.8	20.0
Acenaphthene	Ave	1.217	1.252	0.9000	4120	4000	2.9	20.0
4-Nitrophenol	Lin2		0.1475	0.0100	7820	8000	-2.3	20.0
2,4-Dinitrotoluene	Lin1		0.3614	0.2000	3860	4000	-3.5	20.0
Dibenzofuran	Ave	1.590	1.595	0.8000	4010	4000	0.3	20.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2539	0.0100	3360	4000	-16.0	20.0
Hexadecane	Lin2		1.183	0.0100	4910	4000	22.7*	20.0
Diethyl phthalate	Ave	1.292	1.379	0.0100	4270	4000	6.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.6338	0.5785	0.4000	3650	4000	-8.7	20.0
4-Nitroaniline	Lin2		0.3570	0.0100	4340	4000	8.5	20.0
Fluorene	Lin2		1.327	0.9000	3970	4000	-0.7	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1034	0.0100	7240	8000	-9.5	20.0
Diphenylamine	Ave	0.6749	0.6423	0.0100	3260	3420	-4.8	20.0
N-Nitrosodiphenylamine	Ave	0.5770	0.5492	0.0100	3810	4000	-4.8	20.0
1,2-Diphenylhydrazine	Lin2		1.542	0.0100	4540	4000	13.4	20.0
trans-Azobenzene	Lin2		0.9432	0.0100	4570	4000	14.1	20.0
4-Bromophenyl phenyl ether	Lin2		0.1955	0.1000	3650	4000	-8.8	20.0
Hexachlorobenzene	Ave	0.2675	0.2159	0.1000	3230	4000	-19.3	20.0
Atrazine	Lin2		0.3369	0.0100	8300	8000	3.7	20.0
n-Octadecane	Lin2		0.7017	0.0100	4850	4000	21.4*	20.0
Pentachlorophenol	Lin1		0.0978	0.0500	5750	8000	-28.1	50.0
Phenanthrene	Lin2		1.115	0.7000	4070	4000	1.7	20.0
Anthracene	Lin2		1.109	0.7000	4150	4000	3.7	20.0
Carbazole	Lin1		0.8543	0.0100	3900	4000	-2.5	20.0
Di-n-butyl phthalate	Lin2		1.419	0.0100	4800	4000	20.1*	20.0
Fluoranthene	Lin2		1.060	0.6000	3940	4000	-1.6	20.0
Benzidine	Lin1		0.3176	0.0100	6600	8000	-17.5	50.0
Pyrene	Lin2		1.667	0.6000	4560	4000	14.1	20.0
Butyl benzyl phthalate	Lin2		0.8807	0.0100	5100	4000	27.5*	20.0
Bis(2-ethylhexyl) phthalate	Lin2		1.266	0.0100	5320	4000	32.9*	20.0
3,3'-Dichlorobenzidine	Ave	0.4605	0.4323	0.0100	7510	8000	-6.1	50.0
Benzo[a]anthracene	Ave	1.369	1.430	0.8000	4180	4000	4.4	20.0
Chrysene	Lin2		1.326	0.7000	4240	4000	5.9	20.0
Di-n-octyl phthalate	Lin2		2.051	0.0100	5340	4000	33.4*	20.0
Benzo[b]fluoranthene	Lin2		1.309	0.7000	4330	4000	8.2	20.0

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-694839/1-A

Matrix: Water | Lab File ID: Y034528.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/08/2023 16:13

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2023 13:33

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 695050 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	0.756	J	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Matrix: Water Level: Low Lab File ID: W100255645.d

Lab ID: LCS 480-694999/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chrysene	32.0	34.4	108	69-120	
Dibenz(a,h)anthracene	32.0	32.2	101	65-135	
Di-n-butyl phthalate	32.0	36.3	114	69-131	
Di-n-octyl phthalate	32.0	45.0	141	63-140	*+
Dibenzofuran	32.0	30.3	95	66-120	
Diethyl phthalate	32.0	34.3	107	59-127	
Dimethyl phthalate	32.0	33.1	103	68-120	
Fluoranthene	32.0	31.9	100	69-126	
Fluorene	32.0	33.2	104	66-120	
Hexachlorobenzene	32.0	26.2	82	61-120	
Hexachlorobutadiene	32.0	16.0	50	35-120	
Hexachlorocyclopentadiene	32.0	10.1	32	31-120	
Hexachloroethane	32.0	21.0	66	33-120	
Indeno[1,2,3-cd]pyrene	32.0	35.5	111	69-146	
Isophorone	32.0	29.2	91	55-120	
N-Nitrosodi-n-propylamine	32.0	30.6	96	32-140	
N-Nitrosodiphenylamine	32.0	30.1	94	61-120	
Naphthalene	32.0	25.1	79	57-120	
Nitrobenzene	32.0	27.9	87	53-123	
Pentachlorophenol	64.0	45.6	71	10-136	
Phenanthrene	32.0	35.2	110	68-120	
Phenol	32.0	19.5	61	17-120	
Pyrene	32.0	35.5	111	70-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y034405.D

Lab ID: 480-215440-1 MSD Client ID: QNSB-MW-110 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Biphenyl	34.8	23.2	67	15	20	57-120	
bis (2-chloroisopropyl) ether	34.8	19.7	57	13	24	28-121	
2,4,5-Trichlorophenol	34.8	25.3	73	17	18	65-126	
2,4,6-Trichlorophenol	34.8	25.2	72	15	19	64-120	
2,4-Dichlorophenol	34.8	25.0	72	14	19	48-132	
2,4-Dimethylphenol	34.8	20.9	60	11	42	39-130	
2,4-Dinitrophenol	69.6	46.5	67	18	22	21-150	
2,4-Dinitrotoluene	34.8	27.8	80	19	20	54-138	
2,6-Dinitrotoluene	34.8	27.4	79	20	15	17-150	F2
2-Chloronaphthalene	34.8	22.7	65	17	21	52-124	
2-Chlorophenol	34.8	23.3	67	9	25	48-120	
2-Methylphenol	34.8	20.4	59	18	27	46-120	
2-Methylnaphthalene	34.8	22.9	66	13	21	34-140	
2-Nitroaniline	34.8	25.7	74	19	15	44-136	F2
2-Nitrophenol	34.8	24.7	71	10	18	38-141	
3,3'-Dichlorobenzidine	69.6	44.7	64	22	25	10-150	
3-Nitroaniline	34.8	18.5	53	16	19	32-150	
4,6-Dinitro-2-methylphenol	69.6	56.1	81	20	15	38-150	F2
4-Bromophenyl phenyl ether	34.8	26.4	76	19	15	63-126	F2
4-Chloro-3-methylphenol	34.8	26.3	76	17	27	64-127	
4-Chloroaniline	34.8	16.9	49	20	22	16-124	
4-Chlorophenyl phenyl ether	34.8	25.5	73	20	16	61-120	F2
4-Methylphenol	34.8	21.7	62	11	24	36-120	
4-Nitroaniline	34.8	25.5	73	18	24	32-150	
4-Nitrophenol	69.6	54.2	78	13	48	23-132	
Acenaphthene	34.8	24.4	70	19	24	48-120	
Acenaphthylene	34.8	23.6	68	16	18	63-120	
Acetophenone	34.8	23.6	68	13	20	53-120	
Anthracene	34.8	26.0	75	18	15	65-122	F2
Atrazine	69.6	66.6	96	17	20	50-150	
Benzaldehyde	69.6	41.6	60	9	20	10-150	
Benzo[a]anthracene	34.8	26.4	76	18	15	43-124	F2
Benzo[a]pyrene	34.8	26.6	77	19	15	23-125	F2
Benzo[b]fluoranthene	34.8	26.3	75	17	15	27-127	F2
Benzo[g,h,i]perylene	34.8	25.4	73	17	15	16-147	F2
Benzo[k]fluoranthene	34.8	25.1	72	19	22	20-124	
Bis(2-chloroethoxy)methane	34.8	23.2	67	12	17	44-128	
Bis(2-chloroethyl)ether	34.8	22.1	63	10	21	45-120	
Bis(2-ethylhexyl) phthalate	34.8	26.9	77	17	15	16-150	F2
Butyl benzyl phthalate	34.8	27.6	79	23	16	51-140	F2
Caprolactam	69.6	19.8	28	18	20	10-120	
Carbazole	34.8	29.2	84	17	20	16-148	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y034405.D

Lab ID: 480-215440-1 MSD Client ID: QNSB-MW-110 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chrysene	34.8	26.7	77	18	15	44-122	F2
Dibenz(a,h)anthracene	34.8	25.5	73	17	15	16-139	F2
Di-n-butyl phthalate	34.8	28.7	82	18	15	65-129	F2
Di-n-octyl phthalate	34.8	26.4	76	18	16	16-150	F2
Dibenzofuran	34.8	24.5	70	19	15	60-120	F2
Diethyl phthalate	34.8	29.8	86	18	15	53-133	F2
Dimethyl phthalate	34.8	27.9	80	16	15	59-123	F2
Fluoranthene	34.8	26.9	77	18	15	63-129	F2
Fluorene	34.8	25.1	72	19	15	62-120	F2
Hexachlorobenzene	34.8	28.5	82	16	15	57-121	F2
Hexachlorobutadiene	34.8	19.7	57	5	44	37-120	
Hexachlorocyclopentadiene	34.8	10.1	29	17	49	21-120	
Hexachloroethane	34.8	19.0	55	7	46	16-130	
Indeno[1,2,3-cd]pyrene	34.8	28.5	82	15	15	16-140	
Isophorone	34.8	23.6	68	16	17	48-133	
N-Nitrosodi-n-propylamine	34.8	23.9	69	15	31	49-120	
N-Nitrosodiphenylamine	34.8	26.8	77	17	15	39-138	F2
Naphthalene	34.8	21.7	62	15	29	45-120	
Nitrobenzene	34.8	23.4	67	11	24	45-123	
Pentachlorophenol	69.6	36.2	52	22	37	10-149	
Phenanthrene	34.8	26.5	76	18	15	65-122	F2
Phenol	34.8	16.1	46	11	34	16-120	
Pyrene	34.8	27.8	80	18	19	58-128	

Column to be used to flag recovery and RPD values

FORM III 8270D

Data Usability Summary Report

Site: Queensbury Landfill Site No. 557005
Laboratory: Eurofins – St. Louis
SDG No(s).: 480-215440-1, 480-215480-1 (Revision 1), 480-215528-1, 480-215576-1
Parameters: Tritium
Data Reviewer: Amy Bass/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: March 21, 2024

Sample Reviewed and Evaluation Summary

SDG 480-215440-1

2 / Groundwater: QNSB-MW-110, QNSB-DUP-01[1]

[1]Field duplicate for QNSB-MW-110

SDG 480-215480-1 (Revision 1)

6 / Groundwater: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108, QNSB-MW-109

SDG 480-215528-1

3 / Groundwater: QNSB-MW-101, QNSB-MW-102, QNSB-MW-103

1 / Equipment Blank: EB-01

SDG 480-215576-1

2 / Groundwater: QNSB-BMW-101, QNSB-BMW-102

1 / Equipment Blank: QNSB-EB-02

The above-listed samples were collected on December 5 through 8, 2023, and were analyzed for tritium by EPA Method 906.0. The sample results were assessed using the Idaho National Engineering and Environmental Laboratory (INEEL) (2003) Radioanalytical Data Validation guidance (Document ID: GDE-205/ Revision 1/ Effective Date: 05/11/2004) and the U.S. Army Corps of Engineers (USACE) (2004) Louisville Radiological Guideline (LRG), Data Analysis and Validation Guidelines, Version 4 (September). These guidelines were modified as appropriate to accommodate the methodology used for this program.

The data were evaluated based on the following parameters:

*	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Initial and Continuing Calibrations
NA	•	Carriers and Tracers
*	•	Blanks

* • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* • Laboratory Duplicate Results
* • Laboratory Control Sample/LCS Duplicate (LCS/LCSD) Results
* • Field Duplicate Results
* • Sample Results and Uncertainty

* - All criteria were met.
NA - Not applicable; carrier and tracer data are not relevant.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for the project objectives. Qualification of the data as a result of sampling error or analytical error was not required.

Data Completeness

The data package was a complete Level IV data deliverable.

Holding Times and Sample Preservation

All holding time criteria were met. There are no chemical or temperature preservation criteria for samples in this analytical method.

Initial and Continuing Calibrations

Each data package included the relevant quench curve data, and the quadratic correlation coefficients were >0.995. The initial calibration verification (ICV) percent recoveries (%Rs) met the method acceptance limits (90-110%). Performance of the required daily continuing calibration verification (CCV) results was indicated on the analysis run logs; however, the analytical instrument used to perform the analysis does not provide these results in the form of %R values, as with the ICV results. The results of the CCV evaluations performed at the beginning and end of the analytical sequences are summarized in the “Daily Checks” sections of the data packages. Based on output provided in these summaries, the CCV analyses met criteria.

Carriers and Tracers

The use of a carrier or tracer is not relevant to the analysis of tritium by this analytical method.

Blanks

Tritium was not detected in the laboratory method blanks or equipment blanks associated with this data set.

MS/MSD Results

MS/MSD analyses for tritium were performed using sample QNSB-MB-110, and MS analysis (without MSD) was performed using sample QNSB-MW-102. The MS/MSD percent recoveries (%Rs) were within the acceptance limits (60-140%), and the MS/MSD relative error ratio (RER) met criteria (≤1). The MS/MSD relative percent difference (RPD) was not reported, but this parameter is not required if the RER meets criteria.

Laboratory Duplicate Results

Laboratory duplicate analysis for tritium was performed using sample QNSB-MW-103. The laboratory duplicate RER met criteria (≤1); therefore, calculation of the RPD was not required.

LCS/LCSD Results

LCS analyses were included for the tritium analyses; no LCSDs were included The LCS %Rs met the acceptance criteria (75-125%).

Field Duplicate Results

Samples QNSB-MW-110 and QNSB-DUP-01 were submitted as the field duplicate pair with this data set. Tritium was reported as nondetect (U qualified by the laboratory) in both samples: -151 U pCi/L in QNSB-MW-110; -36.5 pCi/L in QNSB-DUP-01. The calculated RER (0.92) for these results was below the QC limit of 3; therefore, no validation action was required on this basis.

Sample Results and Uncertainty

All sample tritium results were reported as nondetect (U qualified) by the laboratory, defined as less than the sample detection limit, which is interpreted here as the minimum detectable concentration (MDC). All result values > zero were below the associated 2σ-uncertainty values, and the absolute value of all results < zero were also below the associated 2σ-uncertainty values. Based on this information, all tritium results for the samples in this data set are considered “not statistically positive”, which is analogous to nondetect results for non-radioanalytical data.

Sample calculations were spot-checked, and no errors were noted.

No dilutions were performed with the tritium analyses for this sample set.

QUALIFIED FORM 1s

Client Sample ID: QNSB-MW-110
Lab Sample ID: 480-215440-1

Date Collected: 12/05/23 14:30
Matrix: Water
Date Received: 12/06/23 12:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ortho-Phosphate (SM 4500 P E)	0.058		0.020	0.0060	mg/L			12/06/23 16:24	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/29/23 15:31	1
Biochemical Oxygen Demand (SM 5210B)	>20.8	b	6.0	6.0	mg/L			12/07/23 09:34	1
Biochemical Oxygen Demand (SM 5210B)	7.7	H b	6.0	6.0	mg/L			12/15/23 13:37	1
Total Organic Carbon (SM 5310C)	8.3		1.0	0.43	mg/L			12/08/23 00:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	9.3	HF	0.1	0.1	SU			12/11/23 19:57	1
Temperature (SM 4500 H+ B)	16.1	HF	0.001	0.001	Degrees C			12/11/23 19:57	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-151	U	182	182	500	345	pCi/L	12/12/23 08:33	12/13/23 00:30	1

Client Sample ID: QNSB-DUP-01
Lab Sample ID: 480-215440-2

Date Collected: 12/05/23 12:00
Matrix: Water
Date Received: 12/06/23 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/23 14:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/23 14:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/23 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/23 14:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/23 14:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/23 14:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/23 14:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/23 14:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/23 14:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/23 14:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/23 14:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/23 14:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/23 14:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/23 14:48	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/23 14:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/23 14:48	1
Acetone	ND		10	3.0	ug/L			12/07/23 14:48	1
Benzene	ND		1.0	0.41	ug/L			12/07/23 14:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/23 14:48	1
Bromoform	ND		1.0	0.26	ug/L			12/07/23 14:48	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/23 14:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/23 14:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/23 14:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/23 14:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/23 14:48	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/23 14:48	1
Chloroform	0.40	J	1.0	0.34	ug/L			12/07/23 14:48	1

Client Sample ID: QNSB-DUP-01
Date Collected: 12/05/23 12:00
Date Received: 12/06/23 12:00

Lab Sample ID: 480-215440-2
Matrix: Water

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	91.2		1.0	0.32	mg/L		12/07/23 08:25	12/07/23 18:50	1
Thallium	ND		0.020	0.010	mg/L		12/07/23 08:25	12/07/23 18:50	1
Vanadium	ND		0.0050	0.0015	mg/L		12/07/23 08:25	12/07/23 18:50	1
Zinc	ND		0.010	0.0015	mg/L		12/07/23 08:25	12/07/23 18:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/07/23 11:28	12/07/23 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate (SM20 2340 C)	450		10.0	2.6	mg/L			12/15/23 11:50	1
Bromide (EPA 300.0)	ND		1.0	0.37	mg/L			12/07/23 19:03	5
Chloride (EPA 300.0)	107		2.5	1.4	mg/L			12/07/23 19:03	5
Sulfate (EPA 300.0)	45.6		10.0	1.7	mg/L			12/07/23 19:03	5
Ammonia (EPA 350.1)	0.022		0.020	0.0090	mg/L			12/07/23 08:04	1
Total Kjeldahl Nitrogen (EPA 351.2)	ND		0.20	0.19	mg/L		12/06/23 20:09	12/07/23 08:11	1
Nitrate as N (EPA 353.2)	ND		0.050	0.020	mg/L			12/06/23 21:03	1
Chemical Oxygen Demand (EPA 410.4)	13.2		10.0	5.0	mg/L			12/08/23 09:56	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/07/23 10:02	1
Total Alkalinity (SM 2320B)	517		5.0	0.79	mg/L			12/11/23 22:23	1
Bicarbonate Alkalinity (SM 2320B)	517		5.0	0.79	mg/L			12/11/23 22:23	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/11/23 22:23	1
Total Dissolved Solids (SM 2540C)	727		10.0	4.0	mg/L			12/07/23 11:39	1
ortho-Phosphate (SM 4500 P E)	0.038		0.020	0.0060	mg/L			12/06/23 16:24	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/29/23 15:31	1
Biochemical Oxygen Demand (SM 5210B)	3.5	b	2.0	2.0	mg/L			12/07/23 09:34	1
Total Organic Carbon (SM 5310C)	3.3		1.0	0.43	mg/L			12/08/23 02:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.7	HF	0.1	0.1	SU			12/14/23 20:19	1
Temperature (SM 4500 H+ B)	17.0	HF	0.001	0.001	Degrees C			12/14/23 20:19	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-36.5	U	162	162	500	262	pCi/L	12/12/23 08:33	12/13/23 01:38	1

Client Sample ID: QNSB-MW-104
Lab Sample ID: 480-215480-1

Date Collected: 12/05/23 11:20
Matrix: Water
Date Received: 12/07/23 11:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.0050	0.0015	mg/L		12/11/23 09:03	12/11/23 19:27	1
Zinc	0.013		0.010	0.0015	mg/L		12/11/23 09:03	12/11/23 19:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/08/23 11:48	12/08/23 15:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate (SM20 2340 C)	670		10.0	2.6	mg/L			12/15/23 11:50	1
Bromide (EPA 300.0)	ND		1.0	0.37	mg/L			12/09/23 03:16	5
Chloride (EPA 300.0)	115		2.5	1.4	mg/L			12/09/23 03:16	5
Sulfate (EPA 300.0)	52.5		10.0	1.7	mg/L			12/09/23 03:16	5
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			12/08/23 06:51	1
Total Kjeldahl Nitrogen (EPA 351.2)	ND		0.20	0.19	mg/L		12/08/23 15:00	12/11/23 06:37	1
Nitrate as N (EPA 353.2)	0.041	J H	0.050	0.020	mg/L			12/07/23 18:31	1
Chemical Oxygen Demand (EPA 410.4)	32.2		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 08:53	1
Total Alkalinity (SM 2320B)	605		5.0	0.79	mg/L			12/11/23 22:33	1
Bicarbonate Alkalinity (SM 2320B)	605		5.0	0.79	mg/L			12/11/23 22:33	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/11/23 22:33	1
Total Dissolved Solids (SM 2540C)	810		10.0	4.0	mg/L			12/09/23 10:35	1
ortho-Phosphate (SM 4500 P E)	0.011	J H	0.020	0.0060	mg/L			12/07/23 17:20	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/07/23 15:03	1
Biochemical Oxygen Demand (SM 5210B)	ND	H	2.0	2.0	mg/L			12/07/23 15:05	1
Total Organic Carbon (SM 5310C)	1.6		1.0	0.43	mg/L			12/09/23 11:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	20.0	B	4.0	4.0	mg/L			12/14/23 10:45	1
pH (SM 4500 H+ B)	7.5	HF	0.1	0.1	SU			12/13/23 20:49	1
Temperature (SM 4500 H+ B)	21.4	HF	0.001	0.001	Degrees C			12/13/23 20:49	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-72.5	U	154	154	500	296	pCi/L	12/18/23 11:22	12/19/23 10:46	1

Client Sample ID: QNSB-MW-105
Lab Sample ID: 480-215480-2

Date Collected: 12/05/23 11:40
Matrix: Water
Date Received: 12/07/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/23 17:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/23 17:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/23 17:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/23 17:43	1

Client Sample ID: QNSB-MW-105
Lab Sample ID: 480-215480-2
Date Collected: 12/05/23 11:40
Matrix: Water
Date Received: 12/07/23 11:00

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/08/23 11:48	12/08/23 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate (SM20 2340 C)	700		20.0	5.3	mg/L			12/15/23 11:50	1
Bromide (EPA 300.0)	ND		1.0	0.37	mg/L			12/11/23 16:16	5
Chloride (EPA 300.0)	84.9		2.5	1.4	mg/L			12/11/23 16:16	5
Sulfate (EPA 300.0)	55.3		10.0	1.7	mg/L			12/11/23 16:16	5
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			12/08/23 06:52	1
Total Kjeldahl Nitrogen (EPA 351.2)	ND		0.20	0.19	mg/L		12/08/23 15:00	12/11/23 06:37	1
Nitrate as N (EPA 353.2)	ND	H	0.050	0.020	mg/L			12/07/23 18:32	1
Chemical Oxygen Demand (EPA 410.4)	ND		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 09:01	1
Total Alkalinity (SM 2320B)	514		5.0	0.79	mg/L			12/12/23 08:18	1
Bicarbonate Alkalinity (SM 2320B)	514		5.0	0.79	mg/L			12/12/23 08:18	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/12/23 08:18	1
Total Dissolved Solids (SM 2540C)	725		10.0	4.0	mg/L			12/09/23 10:35	1
ortho-Phosphate (SM 4500 P E)	0.067	H	0.020	0.0060	mg/L			12/07/23 17:20	1
Phosphorus as P (SM 4500 P E)	0.10		0.010	0.0050	mg/L			12/07/23 15:03	1
Biochemical Oxygen Demand (SM 5210B)	ND	H	2.0	2.0	mg/L			12/07/23 15:05	1
Total Organic Carbon (SM 5310C)	1.1		1.0	0.43	mg/L			12/09/23 12:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	560	B	4.0	4.0	mg/L			12/14/23 10:45	1
pH (SM 4500 H+ B)	7.5	HF	0.1	0.1	SU			12/13/23 20:51	1
Temperature (SM 4500 H+ B)	21.2	HF	0.001	0.001	Degrees C			12/13/23 20:51	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-80.2	U	158	158	500	306	pCi/L	12/18/23 11:22	12/19/23 11:08	1

Client Sample ID: QNSB-MW-106
Lab Sample ID: 480-215480-3
Date Collected: 12/06/23 00:00
Matrix: Water
Date Received: 12/07/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/23 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/23 18:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/23 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/23 18:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/23 18:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/23 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/23 18:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/23 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/23 18:06	1

Client Sample ID: QNSB-MW-106
Lab Sample ID: 480-215480-3

Date Collected: 12/06/23 00:00
Matrix: Water
Date Received: 12/07/23 11:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate (SM20 2340 C)	500		20.0	5.3	mg/L			12/15/23 11:50	1
Bromide (EPA 300.0)	ND		0.40	0.15	mg/L			12/11/23 16:34	2
Chloride (EPA 300.0)	31.9		1.0	0.56	mg/L			12/11/23 16:34	2
Sulfate (EPA 300.0)	32.7		4.0	0.70	mg/L			12/11/23 16:34	2
Ammonia (EPA 350.1)	0.24		0.020	0.0090	mg/L			12/08/23 06:53	1
Total Kjeldahl Nitrogen (EPA 351.2	0.47		0.20	0.19	mg/L		12/08/23 15:00	12/11/23 06:37	1
Nitrate as N (EPA 353.2)	0.61		0.050	0.020	mg/L			12/07/23 18:34	1
Chemical Oxygen Demand (EPA 410.4)	27.5		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 09:04	1
Total Alkalinity (SM 2320B)	422		5.0	0.79	mg/L			12/12/23 08:26	1
Bicarbonate Alkalinity (SM 2320B)	422		5.0	0.79	mg/L			12/12/23 08:26	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/12/23 08:26	1
Total Dissolved Solids (SM 2540C)	506		10.0	4.0	mg/L			12/09/23 10:35	1
ortho-Phosphate (SM 4500 P E)	0.045		0.020	0.0060	mg/L			12/07/23 17:20	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/07/23 15:03	1
Biochemical Oxygen Demand (SM 5210B)	2.3		2.0	2.0	mg/L			12/07/23 15:05	1
Total Organic Carbon (SM 5310C)	2.0		1.0	0.43	mg/L			12/09/23 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	40.0	B	4.0	4.0	mg/L			12/14/23 10:45	1
pH (SM 4500 H+ B)	7.3	HF	0.1	0.1	SU			12/13/23 20:56	1
Temperature (SM 4500 H+ B)	21.2	HF	0.001	0.001	Degrees C			12/13/23 20:56	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	10.8	U	165	165	500	299	pCi/L	12/18/23 11:22	12/19/23 11:31	1

Client Sample ID: QNSB-MW-107
Lab Sample ID: 480-215480-4

Date Collected: 12/06/23 14:45
Matrix: Water
Date Received: 12/07/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/23 18:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/23 18:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/23 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/23 18:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/23 18:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/23 18:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/23 18:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/23 18:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/23 18:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/23 18:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/23 18:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/23 18:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/23 18:28	1

Client Sample ID: QNSB-MW-107
Lab Sample ID: 480-215480-4

Date Collected: 12/06/23 14:45
Matrix: Water
Date Received: 12/07/23 11:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen (EPA 351.2	0.30		0.20	0.19	mg/L		12/08/23 15:00	12/11/23 06:46	1
Nitrate as N (EPA 353.2)	0.021	J	0.050	0.020	mg/L			12/07/23 18:35	1
Chemical Oxygen Demand (EPA 410.4)	ND		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 09:06	1
Total Alkalinity (SM 2320B)	362		5.0	0.79	mg/L			12/12/23 08:33	1
Bicarbonate Alkalinity (SM 2320B)	362		5.0	0.79	mg/L			12/12/23 08:33	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/12/23 08:33	1
Total Dissolved Solids (SM 2540C)	399		10.0	4.0	mg/L			12/09/23 10:35	1
ortho-Phosphate (SM 4500 P E)	0.041		0.020	0.0060	mg/L			12/07/23 17:20	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/07/23 15:03	1
Biochemical Oxygen Demand (SM 5210B)	ND		2.0	2.0	mg/L			12/07/23 15:05	1
Total Organic Carbon (SM 5310C)	0.83	J	1.0	0.43	mg/L			12/09/23 13:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	30.0	B	4.0	4.0	mg/L			12/14/23 10:45	1
pH (SM 4500 H+ B)	7.8	HF	0.1	0.1	SU			12/13/23 20:59	1
Temperature (SM 4500 H+ B)	21.1	HF	0.001	0.001	Degrees C			12/13/23 20:59	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-42.8	U	155	155	500	290	pCi/L	12/18/23 11:22	12/19/23 11:54	1

Client Sample ID: QNSB-MW-108
Lab Sample ID: 480-215480-5

Date Collected: 12/06/23 11:40
Matrix: Water
Date Received: 12/07/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/23 18:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/23 18:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/23 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/23 18:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/23 18:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/23 18:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/23 18:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/23 18:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/23 18:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/23 18:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/23 18:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/23 18:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/23 18:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/23 18:51	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/23 18:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/23 18:51	1
Acetone	ND		10	3.0	ug/L			12/08/23 18:51	1
Benzene	ND		1.0	0.41	ug/L			12/08/23 18:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/23 18:51	1

Client Sample ID: QNSB-MW-108
Lab Sample ID: 480-215480-5

Date Collected: 12/06/23 11:40
Matrix: Water
Date Received: 12/07/23 11:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 09:09	1
Total Alkalinity (SM 2320B)	**621**		5.0	0.79	mg/L			12/12/23 08:56	1
Bicarbonate Alkalinity (SM 2320B)	**621**		5.0	0.79	mg/L			12/12/23 08:56	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/12/23 08:56	1
Total Dissolved Solids (SM 2540C)	**835**		10.0	4.0	mg/L			12/09/23 10:35	1
ortho-Phosphate (SM 4500 P E)	ND		0.020	0.0060	mg/L			12/07/23 17:20	1
Phosphorus as P (SM 4500 P E)	**0.18**		0.010	0.0050	mg/L			12/07/23 15:03	1
Biochemical Oxygen Demand (SM 5210B)	**2.1**		2.0	2.0	mg/L			12/07/23 15:05	1
Total Organic Carbon (SM 5310C)	**3.0**		1.0	0.43	mg/L			12/09/23 13:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	ND		4.0	4.0	mg/L			12/14/23 10:45	1
pH (SM 4500 H+ B)	**7.3**	**HF**	0.1	0.1	SU			12/13/23 21:01	1
Temperature (SM 4500 H+ B)	**21.2**	**HF**	0.001	0.001	Degrees C			12/13/23 21:01	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-36.5	U	162	162	500	305	pCi/L	12/18/23 11:22	12/19/23 12:16	1

Client Sample ID: QNSB-MW-109
Lab Sample ID: 480-215480-6

Date Collected: 12/06/23 10:50
Matrix: Water
Date Received: 12/07/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/23 19:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/23 19:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/23 19:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/23 19:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/23 19:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/23 19:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/23 19:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/23 19:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/23 19:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/23 19:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/23 19:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/23 19:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/23 19:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/23 19:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/23 19:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/23 19:13	1
Acetone	ND		10	3.0	ug/L			12/08/23 19:13	1
Benzene	ND		1.0	0.41	ug/L			12/08/23 19:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/23 19:13	1
Bromoform	ND		1.0	0.26	ug/L			12/08/23 19:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/23 19:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/23 19:13	1

Client Sample ID: QNSB-MW-109
Lab Sample ID: 480-215480-6

Date Collected: 12/06/23 10:50
Matrix: Water
Date Received: 12/07/23 11:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity (SM 2320B)	**291**		5.0	0.79	mg/L			12/12/23 09:03	1
Bicarbonate Alkalinity (SM 2320B)	**291**		5.0	0.79	mg/L			12/12/23 09:03	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/12/23 09:03	1
Total Dissolved Solids (SM 2540C)	**480**		10.0	4.0	mg/L			12/09/23 10:35	1
ortho-Phosphate (SM 4500 P E)	**0.050**		0.020	0.0060	mg/L			12/07/23 17:20	1
Phosphorus as P (SM 4500 P E)	ND	F1	0.010	0.0050	mg/L			12/07/23 15:03	1
Biochemical Oxygen Demand (SM 5210B)	ND		2.0	2.0	mg/L			12/07/23 15:05	1
Total Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/09/23 17:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	**60.0**	**B**	4.0	4.0	mg/L			12/14/23 10:45	1
pH (SM 4500 H+ B)	**7.8**	**HF**	0.1	0.1	SU			12/13/23 21:04	1
Temperature (SM 4500 H+ B)	**21.1**	**HF**	0.001	0.001	Degrees C			12/13/23 21:04	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-36.5	U	154	154	500	286	pCi/L	12/18/23 11:22	12/19/23 12:39	1

Client Sample ID: QNSB-MW-110
Lab Sample ID: 480-215480-7

Date Collected: 12/05/23 14:30
Matrix: Water
Date Received: 12/07/23 11:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**11**	**F1**	7.5	1.9	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluoropentanoic acid (PFPeA)	**8.1**		3.7	0.93	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorohexanoic acid (PFHxA)	**5.6**		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.49	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorooctanoic acid (PFOA)	ND		1.9	0.60	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorononanoic acid (PFNA)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorodecanoic acid (PFDA)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.28	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.53	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.37	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.37	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.47	ng/L		12/27/23 10:57	12/28/23 17:56	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.84	ng/L		12/27/23 10:57	12/28/23 17:56	1
4:2 FTS	ND		7.5	1.6	ng/L		12/27/23 10:57	12/28/23 17:56	1
6:2 FTS	ND		7.5	2.3	ng/L		12/27/23 10:57	12/28/23 17:56	1

Client Sample ID: EB-01
Date Collected: 12/07/23 08:30
Date Received: 12/08/23 11:00

Lab Sample ID: 480-215528-1
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000072	J B	0.00020	0.000043	mg/L		12/11/23 11:15	12/11/23 13:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate (SM20 2340 C)	ND		4.0	1.1	mg/L			12/20/23 13:45	1
Bromide (EPA 300.0)	ND		0.20	0.073	mg/L			12/11/23 20:10	1
Chloride (EPA 300.0)	ND		0.50	0.28	mg/L			12/11/23 20:10	1
Sulfate (EPA 300.0)	ND		2.0	0.35	mg/L			12/11/23 20:10	1
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			12/11/23 08:12	1
Total Kjeldahl Nitrogen (EPA 351.2)	ND		0.20	0.19	mg/L		12/08/23 15:00	12/11/23 06:46	1
Nitrate as N (EPA 353.2)	ND		0.050	0.020	mg/L			12/08/23 13:52	1
Chemical Oxygen Demand (EPA 410.4)	ND		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 09:36	1
Total Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 22:18	1
Bicarbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 22:18	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 22:18	1
Total Dissolved Solids (SM 2540C)	ND		10.0	4.0	mg/L			12/11/23 10:19	1
ortho-Phosphate (SM 4500 P E)	ND		0.020	0.0060	mg/L			12/08/23 17:28	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/08/23 16:16	1
Biochemical Oxygen Demand (SM 5210B)	ND		2.0	2.0	mg/L			12/08/23 13:25	1
Total Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/10/23 00:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	ND		4.0	4.0	mg/L			12/14/23 10:45	1
pH (SM 4500 H+ B)	5.5	HF	0.1	0.1	SU			12/13/23 21:50	1
Temperature (SM 4500 H+ B)	21.4	HF	0.001	0.001	Degrees C			12/13/23 21:50	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-48.2	U	152	152	500	284	pCi/L	12/18/23 11:22	12/19/23 13:01	1

Client Sample ID: QNSB-MW-101
Date Collected: 12/07/23 14:15
Date Received: 12/08/23 11:00

Lab Sample ID: 480-215528-2
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/23 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/23 16:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/23 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/11/23 16:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/23 16:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/23 16:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/11/23 16:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/11/23 16:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/11/23 16:15	1

Client Sample ID: QNSB-MW-101
Lab Sample ID: 480-215528-2

Date Collected: 12/07/23 14:15
Matrix: Water
Date Received: 12/08/23 11:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate (SM20 2340 C)	580		4.0	1.1	mg/L			12/20/23 13:45	1
Bromide (EPA 300.0)	ND		1.0	0.37	mg/L			12/11/23 20:28	5
Chloride (EPA 300.0)	38.4		2.5	1.4	mg/L			12/11/23 20:28	5
Sulfate (EPA 300.0)	29.3		10.0	1.7	mg/L			12/11/23 20:28	5
Ammonia (EPA 350.1)	0.37		0.020	0.0090	mg/L			12/11/23 08:19	1
Total Kjeldahl Nitrogen (EPA 351.2	0.50		0.20	0.19	mg/L		12/08/23 15:00	12/11/23 06:46	1
Nitrate as N (EPA 353.2)	0.17		0.050	0.020	mg/L			12/08/23 13:56	1
Chemical Oxygen Demand (EPA 410.4)	ND		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 09:47	1
Total Alkalinity (SM 2320B)	549		5.0	0.79	mg/L			12/14/23 22:35	1
Bicarbonate Alkalinity (SM 2320B)	549		5.0	0.79	mg/L			12/14/23 22:35	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 22:35	1
Total Dissolved Solids (SM 2540C)	570		10.0	4.0	mg/L			12/11/23 10:19	1
ortho-Phosphate (SM 4500 P E)	0.029		0.020	0.0060	mg/L			12/08/23 17:28	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/08/23 16:16	1
Biochemical Oxygen Demand (SM 5210B)	3.6	b	3.0	3.0	mg/L			12/09/23 08:49	1
Total Organic Carbon (SM 5310C)	1.3		1.0	0.43	mg/L			12/10/23 00:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	120	B	4.0	4.0	mg/L			12/19/23 14:12	1
pH (SM 4500 H+ B)	7.4	HF	0.1	0.1	SU			12/13/23 21:52	1
Temperature (SM 4500 H+ B)	21.4	HF	0.001	0.001	Degrees C			12/13/23 21:52	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	39.6	U	167	167	500	297	pCi/L	12/18/23 11:22	12/19/23 13:24	1

Client Sample ID: QNSB-MW-102
Lab Sample ID: 480-215528-3

Date Collected: 12/07/23 11:35
Matrix: Water
Date Received: 12/08/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/23 16:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/23 16:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/23 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/11/23 16:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/23 16:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/23 16:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/11/23 16:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/11/23 16:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/11/23 16:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/23 16:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/23 16:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/11/23 16:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/11/23 16:38	1

Client Sample ID: QNSB-MW-102
Lab Sample ID: 480-215528-3

Date Collected: 12/07/23 11:35
Matrix: Water
Date Received: 12/08/23 11:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	0.29		0.020	0.0090	mg/L			12/11/23 08:20	1
Total Kjeldahl Nitrogen (EPA 351.2	0.31		0.20	0.19	mg/L		12/08/23 15:00	12/11/23 06:46	1
Nitrate as N (EPA 353.2)	2.6		0.050	0.020	mg/L			12/08/23 13:58	1
Chemical Oxygen Demand (EPA 410.4)	ND		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 09:49	1
Total Alkalinity (SM 2320B)	612		5.0	0.79	mg/L			12/14/23 22:44	1
Bicarbonate Alkalinity (SM 2320B)	612		5.0	0.79	mg/L			12/14/23 22:44	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 22:44	1
Total Dissolved Solids (SM 2540C)	696		10.0	4.0	mg/L			12/11/23 10:19	1
ortho-Phosphate (SM 4500 P E)	0.023		0.020	0.0060	mg/L			12/08/23 17:28	1
Phosphorus as P (SM 4500 P E)	0.0096	J	0.010	0.0050	mg/L			12/08/23 16:16	1
Biochemical Oxygen Demand (SM 5210B)	3.0	b	2.0	2.0	mg/L			12/08/23 13:25	1
Total Organic Carbon (SM 5310C)	1.5		1.0	0.43	mg/L			12/10/23 05:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	ND		4.0	4.0	mg/L			12/19/23 14:12	1
pH (SM 4500 H+ B)	7.5	HF	0.1	0.1	SU			12/13/23 21:55	1
Temperature (SM 4500 H+ B)	21.4	HF	0.001	0.001	Degrees C			12/13/23 21:55	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	4.50	U	167	167	500	305	pCi/L	12/18/23 11:22	12/19/23 13:47	1

Client Sample ID: QNSB-MW-103
Lab Sample ID: 480-215528-4

Date Collected: 12/07/23 11:35
Matrix: Water
Date Received: 12/08/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/23 17:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/23 17:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/23 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/11/23 17:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/23 17:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/23 17:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/11/23 17:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/11/23 17:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/11/23 17:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/23 17:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/23 17:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/11/23 17:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/11/23 17:00	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			12/11/23 17:00	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/23 17:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/23 17:00	1
Acetone	ND		10	3.0	ug/L			12/11/23 17:00	1
Benzene	ND		1.0	0.41	ug/L			12/11/23 17:00	1

Client Sample ID: QNSB-MW-103
Lab Sample ID: 480-215528-4

Date Collected: 12/07/23 11:35
Matrix: Water
Date Received: 12/08/23 11:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.050		0.050	0.020	mg/L			12/08/23 13:59	1
Chemical Oxygen Demand (EPA 410.4)	12.6		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 09:52	1
Total Alkalinity (SM 2320B)	351		5.0	0.79	mg/L			12/14/23 22:51	1
Bicarbonate Alkalinity (SM 2320B)	351		5.0	0.79	mg/L			12/14/23 22:51	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 22:51	1
Total Dissolved Solids (SM 2540C)	385		10.0	4.0	mg/L			12/11/23 10:19	1
ortho-Phosphate (SM 4500 P E)	ND		0.020	0.0060	mg/L			12/08/23 17:28	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/08/23 16:16	1
Biochemical Oxygen Demand (SM 5210B)	ND		2.0	2.0	mg/L			12/08/23 13:25	1
Total Organic Carbon (SM 5310C)	0.59	J	1.0	0.43	mg/L			12/10/23 05:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	ND		4.0	4.0	mg/L			12/19/23 14:12	1
pH (SM 4500 H+ B)	7.9	HF	0.1	0.1	SU			12/13/23 21:57	1
Temperature (SM 4500 H+ B)	21.8	HF	0.001	0.001	Degrees C			12/13/23 21:57	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-40.1	U	155	155	500	288	pCi/L	12/18/23 11:22	12/19/23 14:32	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-215528-5

Date Collected: 12/07/23 00:00
Matrix: Water
Date Received: 12/08/23 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/23 17:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/23 17:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/23 17:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/11/23 17:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/23 17:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/23 17:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/11/23 17:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/11/23 17:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/11/23 17:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/23 17:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/23 17:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/11/23 17:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/11/23 17:22	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			12/11/23 17:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/23 17:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/23 17:22	1
Acetone	ND		10	3.0	ug/L			12/11/23 17:22	1
Benzene	ND		1.0	0.41	ug/L			12/11/23 17:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/23 17:22	1
Bromoform	ND		1.0	0.26	ug/L			12/11/23 17:22	1

Client Sample ID: QNSB-BMW-101
Lab Sample ID: 480-215576-1
Date Collected: 12/08/23 12:05
Matrix: Water
Date Received: 12/09/23 10:00

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000043	J B	0.00020	0.000043	mg/L		12/11/23 11:15	12/11/23 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate (SM20 2340 C)	170		10.0	2.6	mg/L			12/20/23 13:45	1
Bromide (EPA 300.0)	ND		0.20	0.073	mg/L			12/12/23 21:36	1
Chloride (EPA 300.0)	2.0		0.50	0.28	mg/L			12/12/23 21:36	1
Sulfate (EPA 300.0)	22.4		2.0	0.35	mg/L			12/12/23 21:36	1
Ammonia (EPA 350.1)	0.059		0.020	0.0090	mg/L			12/11/23 09:24	1
Total Kjeldahl Nitrogen (EPA 351.2)	ND		0.20	0.19	mg/L		12/12/23 17:55	12/13/23 06:36	1
Nitrate as N (EPA 353.2)	0.033	J	0.050	0.020	mg/L			12/09/23 12:53	1
Chemical Oxygen Demand (EPA 410.4)	23.1		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND	F1	0.010	0.0041	mg/L			12/11/23 10:52	1
Total Alkalinity (SM 2320B)	159		5.0	0.79	mg/L			12/14/23 23:17	1
Bicarbonate Alkalinity (SM 2320B)	159		5.0	0.79	mg/L			12/14/23 23:17	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 23:17	1
Total Dissolved Solids (SM 2540C)	172		10.0	4.0	mg/L			12/11/23 15:56	1
ortho-Phosphate (SM 4500 P E)	0.037		0.020	0.0060	mg/L			12/09/23 14:45	1
Phosphorus as P (SM 4500 P E)	0.044		0.010	0.0050	mg/L			12/13/23 17:21	1
Biochemical Oxygen Demand (SM 5210B)	4.7		3.0	3.0	mg/L			12/09/23 14:56	1
Total Organic Carbon (SM 5310C)	1.7		1.0	0.43	mg/L			12/13/23 02:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	ND		4.0	4.0	mg/L			12/19/23 14:12	1
pH (SM 4500 H+ B)	8.3	HF	0.1	0.1	SU			12/13/23 22:22	1
Temperature (SM 4500 H+ B)	21.6	HF	0.001	0.001	Degrees C			12/13/23 22:22	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-18.9	U	168	168	500	310	pCi/L	12/22/23 11:54	12/27/23 15:03	1

Client Sample ID: QNSB-BMW-102
Lab Sample ID: 480-215576-2
Date Collected: 12/08/23 10:15
Matrix: Water
Date Received: 12/09/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/23 14:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/23 14:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/23 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/23 14:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/23 14:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/23 14:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/23 14:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/23 14:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/23 14:58	1

Client Sample ID: QNSB-BMW-102
Lab Sample ID: 480-215576-2

Date Collected: 12/08/23 10:15
Matrix: Water
Date Received: 12/09/23 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate (SM20 2340 C)	260		10.0	2.6	mg/L			12/20/23 13:45	1
Bromide (EPA 300.0)	ND		0.40	0.15	mg/L			12/12/23 21:54	2
Chloride (EPA 300.0)	27.7		1.0	0.56	mg/L			12/12/23 21:54	2
Sulfate (EPA 300.0)	22.2		4.0	0.70	mg/L			12/12/23 21:54	2
Ammonia (EPA 350.1)	0.13		0.020	0.0090	mg/L			12/11/23 09:25	1
Total Kjeldahl Nitrogen (EPA 351.2)	ND	F1	0.20	0.19	mg/L		12/12/23 17:55	12/13/23 06:36	1
Nitrate as N (EPA 353.2)	0.033	J	0.050	0.020	mg/L			12/09/23 12:58	1
Chemical Oxygen Demand (EPA 410.4)	ND		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 11:00	1
Total Alkalinity (SM 2320B)	217		5.0	0.79	mg/L			12/14/23 23:22	1
Bicarbonate Alkalinity (SM 2320B)	217		5.0	0.79	mg/L			12/14/23 23:22	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 23:22	1
Total Dissolved Solids (SM 2540C)	271		10.0	4.0	mg/L			12/11/23 15:56	1
ortho-Phosphate (SM 4500 P E)	0.064		0.020	0.0060	mg/L			12/09/23 14:45	1
Phosphorus as P (SM 4500 P E)	0.0059	J	0.010	0.0050	mg/L			12/13/23 17:21	1
Biochemical Oxygen Demand (SM 5210B)	ND		2.0	2.0	mg/L			12/09/23 14:56	1
Total Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/13/23 02:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	230	B	4.0	4.0	mg/L			12/19/23 14:12	1
pH (SM 4500 H+ B)	8.1	HF	0.1	0.1	SU			12/13/23 22:25	1
Temperature (SM 4500 H+ B)	21.6	HF	0.001	0.001	Degrees C			12/13/23 22:25	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	-32.4	U	166	166	500	310	pCi/L	12/22/23 11:54	12/27/23 15:25	1

Client Sample ID: QNSB-EB-02
Lab Sample ID: 480-215576-3

Date Collected: 12/08/23 08:36
Matrix: Water
Date Received: 12/09/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/23 15:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/23 15:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/23 15:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/23 15:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/23 15:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/23 15:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/23 15:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/23 15:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/23 15:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/23 15:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/23 15:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/23 15:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/23 15:20	1

Client Sample ID: QNSB-EB-02
Lab Sample ID: 480-215576-3

Date Collected: 12/08/23 08:36
Matrix: Water
Date Received: 12/09/23 10:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen (EPA 351.2)	ND		0.20	0.19	mg/L		12/12/23 18:32	12/13/23 06:45	1
Nitrate as N (EPA 353.2)	0.037	J	0.050	0.020	mg/L			12/09/23 12:59	1
Chemical Oxygen Demand (EPA 410.4)	ND		10.0	5.0	mg/L			12/11/23 13:03	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/11/23 11:03	1
Total Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 23:27	1
Bicarbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 23:27	1
Carbonate Alkalinity (SM 2320B)	ND		5.0	0.79	mg/L			12/14/23 23:27	1
Total Dissolved Solids (SM 2540C)	ND		10.0	4.0	mg/L			12/11/23 15:56	1
ortho-Phosphate (SM 4500 P E)	0.010	J	0.020	0.0060	mg/L			12/09/23 14:45	1
Phosphorus as P (SM 4500 P E)	ND		0.010	0.0050	mg/L			12/13/23 17:21	1
Biochemical Oxygen Demand (SM 5210B)	ND		2.0	2.0	mg/L			12/09/23 14:56	1
Total Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/13/23 07:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (EPA 1633 DRAFT)	40.0	B	4.0	4.0	mg/L			12/19/23 14:12	1
pH (SM 4500 H+ B)	5.9	HF	0.1	0.1	SU			12/13/23 22:29	1
Temperature (SM 4500 H+ B)	21.7	HF	0.001	0.001	Degrees C			12/13/23 22:29	1

Method: EPA 906.0 - Tritium, Total (LSC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Tritium	42.8	U	171	171	500	301	pCi/L	12/22/23 11:54	12/27/23 15:48	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-215576-4

Date Collected: 12/08/23 00:00
Matrix: Water
Date Received: 12/09/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/23 13:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/23 13:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/23 13:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/23 13:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/23 13:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/23 13:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/23 13:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/23 13:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/23 13:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/23 13:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/23 13:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/23 13:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/23 13:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/23 13:40	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/23 13:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/23 13:40	1
Acetone	ND		10	3.0	ug/L			12/12/23 13:40	1
Benzene	ND		1.0	0.41	ug/L			12/12/23 13:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/23 13:40	1

QC NONCONFORMANCE DOCUMENTATION

Not applicable to this review

Data Usability Summary Report

Site: Queensbury Landfill
Laboratory: Eurofins - Buffalo, Amherst, NY
SDG Nos.: 480-215440-1, 480-215480-1 (Revision 1), 480-215528-1, 480-215576-1
Parameters: Volatile Organic Compounds (VOCs)
Data Reviewer: David DiGena-Segal/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: March 5, 2024

Samples Reviewed and Evaluation Summary

SDG 480-215440-1:

2 Groundwater Samples: QNSB-MW-110, QNSB-DUP-01*

*Field duplicate of QNSB-MW-110

SDG 480-215480-1 (Revision 1):

6 Groundwater Samples: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108, QNSB-MW-109

2 Trip Blanks: TRIP BLANK (12/05/23), TRIP BLANK (12/06/23)

SDG 480-215528-1:

3 Groundwater Samples: QNSB-MW-101, QNSB-MW-102, QNSB-MW-103

1 Trip Blank: TRIP BLANK (12/07/23)
1 Equipment Blank: EB-01

SDG 480-215576-1:

2 Groundwater Samples: QNSB-BMW-101, QNSB-BMW-102

1 Trip Blank: TRIP BLANK (12/08/23)
1 Equipment Blank: QNSB-EB-02

The above-listed samples were collected on December 5-8, 2023 and were analyzed for VOCs by SW-846 Method 8260D. The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005),* November 2020, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
* - Holding Times and Sample Preservation
* - Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations

	•	Blanks
*	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	Laboratory Duplicate Results
	•	Laboratory Control Sample (LCS) Results
	•	Field Duplicate Results
*	•	Internal Standard Performance
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification
*	•	Tentatively Identified Compounds (TICs)

*	-	All criteria were met.
NA	-	A laboratory duplicate analysis was not performed on a sample in this data set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for chloroform in samples QNSB-110 and QNSB-DUP-01 were qualified as estimated (J) due to field duplicate variability. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive result for chloroform in sample QNSB-BMW-102 was qualified as nondetect (U) due to trip blank contamination. This result can be used for project objectives as a nondetect, which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results that were detected between the method detection limit (MDL) and QL. These results were qualified as estimated (J) in the associated samples by the laboratory. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in select samples were qualified as estimated (UJ) due to continuing calibration (CC) nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for methylene chloride was qualified as nondetect in sample TRIP BLANK (12/08/23) due to method blank contamination. This result can be used for project objectives as a nondetect, which may have a minor impact on the data usability.

Data Completeness

The data packages were complete Level IV data deliverable packages with the following exceptions.

- In SDG 480-215440-1, samples QNSB-MW-104 and QNSB-MW-105 were listed on the chain-of-custody (COC) for VOC analyses, these samples were analyzed in SDG 480-215480-1.

- In SDG 480-215480-1, samples QNSB-MW-104 and QNSB-MW-105 were listed twice on the COCs but with the same collection dates and times. Only one set of results was reported for each sample.

- In SDG 480-215480-1, the COC did not include a sample collection time for sample QNSB-MW-106; the collection time was entered by the laboratory as 00:00.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All percent relative standard deviations, correlation coefficients, and relative response factors (RRFs) for target compounds were within the method acceptance criteria in the initial calibrations associated with the samples in this data set.

Initial calibration verification (ICV) standard results were not reviewed or summarized in this report since the ICVs did not immediately precede any sample analyses.

The RRFs for target compounds were within the acceptance criteria in the CC standards associated with the samples in this data set. The following table summarizes the percent differences (%Ds) or percent drifts that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set and the validation actions.

Instrument/ CC Date	Compound	%D	Validation Actions
HP5975D 12/11/23	Methyl acetate	26.4	The nondetect results for methyl acetate were qualified as estimated (UJ) in the associated samples.
Associated samples: All samples in SDG 480-215528-1			
HP5973N 12/12/23	Acetone	-24.6	The nondetect results for the listed VOCs were qualified as estimated (UJ) in the associated sample.
	2-Butanone (MEK)	-20.2	
	Isopropylbenzene	20.2	
Associated sample: TRIP BLANK (12/08/23)			
HP5973S 12/12/23	Dichlorodifluoromethane	27.8	The nondetect results for the listed VOCs were qualified as estimated (UJ) in the associated samples.
	Acetone	40.0	
	2-Butanone (MEK)	23.3	
	Carbon tetrachloride	21.8	
	Bromoform	34.4	
Associated samples: QNSB-BMW-101, QNSB-BMW-102, QNSB-EB-02			

Blanks

Target compounds were not detected in the equipment blank. The following table summarizes the

target analytes detected in one of the method blanks and one trip blank.

Blank ID	Analyte	Blank Concentration (ug/L)	Validation Actions
MB 480-695045/8	Methylene Chloride	0.486 J	The positive result for methylene chloride was qualified as nondetect (U) at the QL in the associated sample.
Associated sample: TRIP BLANK (12/08/23)			
TRIP BLANK (12/08/23)	Chloroform	1.8	The positive result for chloroform was qualified as nondetect (U) at the QL in sample QNSB-BMW-102. Qualification was not required in the remaining associated samples since chloroform was nondetect.
Associated samples: All samples in SDG 480-215576-1			

Surrogate Recoveries

The surrogate percent recoveries (%Rs) met the laboratory acceptance criteria in all samples.

MS/MSD Results

MS/MSD analyses were performed on sample QNSB-MW-110. The following table summarizes the %Rs and relative percent differences (RPDs) that did not meet the laboratory acceptance criteria and the validation actions.

MS/MSD Parent Sample ID	Compound	MS %R	MSD %R	RPD (%)	MS/MSD %R/RPD Limits	Validation Actions
QNSB-MW-110	Acetone	-	-	16	56-142/15	Qualification was not required since the listed VOCs were not detected in sample QNSB-MW-110.
	trans-1,3-Dichloropropene	-	121	-	80-120/15	
-: Met Criteria						

Laboratory Duplicate Results

A laboratory duplicate analysis was not performed on a sample in this data set.

LCS Results

An LCS was analyzed each day prior to samples. The following table summarizes the %Rs that did not meet the laboratory acceptance criteria and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCS %R Limits	Validation Actions
LCS 480-694923/6	2-Butanone (MEK)	190	57-140	Qualification was not required on this basis since 2 butanone (MEK) was not detected in the associated samples. It should be noted that the laboratory noted this recovery was high due to co-elution with a non-target analyte, ethyl acetate.
Associated samples: All samples in SDG 480-215528-1				

LCS/LCSD ID	Compound	LCS %R	LCS %R Limits	Validation Actions
LCS 480-695063/7	Bromoform	135	61-132	Qualification was not required on this basis since the bromoform was not detected in the associated samples.
Associated samples: QNSB-BMW-101, QNSB-BMW-102, QNSB-EB-02				

Field Duplicate Results

Samples QNSB-MW-110 and QNSB-DUP-01 were submitted as the field duplicate pair with this data set. The RPD acceptance limit for field duplicates in aqueous media is ≤30%. The RPD is not applicable for comparison of results <5x the QL; instead, comparison is based on the absolute difference (AbsD) between the results, which must be ≤QL. The following table summarizes the AbsDs, as applicable, of the detected compounds in the field duplicate pair, and the resulting validation actions.

Compound	QL (µg/L)	QNSB-MW-110 (µg/L)	QNSB-DUP-01 (µg/L)	AbsD (µg/L)	Validation Actions
Chloroform	1.0	5.6	0.4 J	5.2 (> QL)	The positive results for chloroform in samples QNSB-MW-110 and QNSB-DUP-01 were qualified as estimated (J).
Carbon disulfide	1.0	0.2 J	ND	0.8	None; all criteria were met.
Methyl tert-butyl ether	1.0	0.19 J	0.23 J	0.04	
Toluene	1.0	0.75 J	ND	0.25	

Internal Standard Performance

All criteria were met.

Sample Results and Reported Quantitation Limits

Select VOC results were reported between the MDL and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

No dilutions were performed on the samples in this data set.

Target Compound Identification

All criteria were met.

Tentatively Identified Compounds (TICs)

TICs were reported in the method blank and trip blank associated with the samples in SDG 480-215528-1, but there were no TICs detected in the associated samples; therefore, no validation actions were required. All criteria were met for TIC identifications.

QUALIFIED FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215440-1

Matrix: Water | Lab File ID: N3670.d

Analysis Method: 8260C | Date Collected: 12/05/2023 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/07/2023 14:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694533 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND	F2	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	0.20	J	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	5.6	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215440-1

Matrix: Water | Lab File ID: N3670.d

Analysis Method: 8260C | Date Collected: 12/05/2023 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/07/2023 14:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694533 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	0.19	J	1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	0.75	J	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	~~F1~~	1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215440-1

Matrix: Water | Lab File ID: N3670.d

Analysis Method: 8260C | Date Collected: 12/05/2023 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/07/2023 14:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694533 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Matrix: Water | Lab File ID: N3671.d

Analysis Method: 8260C | Date Collected: 12/05/2023 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/07/2023 14:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694533 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.40	~~J~~ J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Matrix: Water | Lab File ID: N3671.d

Analysis Method: 8260C | Date Collected: 12/05/2023 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/07/2023 14:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694533 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	0.23	J	1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215440-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215440-2

Matrix: Water | Lab File ID: N3671.d

Analysis Method: 8260C | Date Collected: 12/05/2023 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/07/2023 14:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694533 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: N3738.d

Analysis Method: 8260C | Date Collected: 12/05/2023 11:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 17:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.45	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: N3738.d

Analysis Method: 8260C | Date Collected: 12/05/2023 11:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 17:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: N3738.d

Analysis Method: 8260C | Date Collected: 12/05/2023 11:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 17:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 14

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.65	14	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: N3739.d

Analysis Method: 8260C | Date Collected: 12/05/2023 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 17:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: N3739.d

Analysis Method: 8260C | Date Collected: 12/05/2023 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 17:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: N3739.d

Analysis Method: 8260C | Date Collected: 12/05/2023 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 17:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: N3740.d

Analysis Method: 8260C | Date Collected: 12/06/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	5.1		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: N3740.d

Analysis Method: 8260C | Date Collected: 12/06/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	0.87	J	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: N3740.d

Analysis Method: 8260C | Date Collected: 12/06/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: N3741.d

Analysis Method: 8260C | Date Collected: 12/06/2023 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: N3741.d

Analysis Method: 8260C | Date Collected: 12/06/2023 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: N3741.d

Analysis Method: 8260C | Date Collected: 12/06/2023 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: N3742.d

Analysis Method: 8260C | Date Collected: 12/06/2023 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.2		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: N3742.d

Analysis Method: 8260C | Date Collected: 12/06/2023 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: N3742.d

Analysis Method: 8260C | Date Collected: 12/06/2023 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 18:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: N3743.d

Analysis Method: 8260C | Date Collected: 12/06/2023 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: N3743.d

Analysis Method: 8260C | Date Collected: 12/06/2023 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: N3743.d

Analysis Method: 8260C | Date Collected: 12/06/2023 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215480-9

Matrix: Water | Lab File ID: N3744.d

Analysis Method: 8260C | Date Collected: 12/05/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215480-9

Matrix: Water | Lab File ID: N3744.d

Analysis Method: 8260C | Date Collected: 12/05/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215480-9

Matrix: Water | Lab File ID: N3744.d

Analysis Method: 8260C | Date Collected: 12/05/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215480-10

Matrix: Water | Lab File ID: N3745.d

Analysis Method: 8260C | Date Collected: 12/06/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215480-10

Matrix: Water | Lab File ID: N3745.d

Analysis Method: 8260C | Date Collected: 12/06/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215480-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215480-10

Matrix: Water | Lab File ID: N3745.d

Analysis Method: 8260C | Date Collected: 12/06/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2023 19:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694708 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: D7958.d

Analysis Method: 8260C | Date Collected: 12/07/2023 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 15:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND	*+	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: D7958.d

Analysis Method: 8260C | Date Collected: 12/07/2023 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 15:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	~~ND~~	UJ	2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: D7958.d

Analysis Method: 8260C | Date Collected: 12/07/2023 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 15:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: D7959.d

Analysis Method: 8260C | Date Collected: 12/07/2023 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 16:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND	*+	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: D7959.d

Analysis Method: 8260C | Date Collected: 12/07/2023 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 16:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	~~ND~~	UJ	2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: D7959.d

Analysis Method: 8260C | Date Collected: 12/07/2023 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 16:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: D7960.d

Analysis Method: 8260C | Date Collected: 12/07/2023 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND	*+	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: D7960.d

Analysis Method: 8260C | Date Collected: 12/07/2023 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	~~ND~~	UJ	2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: D7960.d

Analysis Method: 8260C | Date Collected: 12/07/2023 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: D7961.d

Analysis Method: 8260C | Date Collected: 12/07/2023 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 17:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND	*+	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: D7961.d

Analysis Method: 8260C | Date Collected: 12/07/2023 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 17:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	~~ND~~	UJ	2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: D7961.d

Analysis Method: 8260C | Date Collected: 12/07/2023 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 17:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215528-5

Matrix: Water | Lab File ID: D7962.d

Analysis Method: 8260C | Date Collected: 12/07/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 17:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND	*+	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215528-5

Matrix: Water | Lab File ID: D7962.d

Analysis Method: 8260C | Date Collected: 12/07/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 17:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	~~ND~~	UJ	2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215528-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215528-5

Matrix: Water | Lab File ID: D7962.d

Analysis Method: 8260C | Date Collected: 12/07/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/11/2023 17:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 694923 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 2.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	9.32	2.9	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: S4645.d

Analysis Method: 8260C | Date Collected: 12/08/2023 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 14:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	~~ND~~	UJ	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	~~ND~~	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	~~ND~~	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: S4645.d

Analysis Method: 8260C | Date Collected: 12/08/2023 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 14:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: S4645.d

Analysis Method: 8260C | Date Collected: 12/08/2023 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 14:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: S4646.d

Analysis Method: 8260C | Date Collected: 12/08/2023 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 14:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	~~ND~~	UJ	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	~~ND~~	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	~~ND~~	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.0 U ~~0.34~~	~~J~~	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: S4646.d

Analysis Method: 8260C | Date Collected: 12/08/2023 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 14:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: S4646.d

Analysis Method: 8260C | Date Collected: 12/08/2023 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 14:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: S4647.d

Analysis Method: 8260C | Date Collected: 12/08/2023 08:36

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 15:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	~~ND~~	UJ	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	~~ND~~	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	~~ND~~	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: S4647.d

Analysis Method: 8260C | Date Collected: 12/08/2023 08:36

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 15:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: S4647.d

Analysis Method: 8260C | Date Collected: 12/08/2023 08:36

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 15:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695063 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215576-4

Matrix: Water | Lab File ID: N3816.d

Analysis Method: 8260C | Date Collected: 12/08/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 13:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695045 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	~~ND~~	UJ	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.8		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215576-4

Matrix: Water | Lab File ID: N3816.d

Analysis Method: 8260C | Date Collected: 12/08/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 13:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695045 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	~~ND~~	UJ	1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	1.0 U ~~0.56~~	~~J B~~	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-215576-4

Matrix: Water | Lab File ID: N3816.d

Analysis Method: 8260C | Date Collected: 12/08/2023 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 13:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695045 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

QC NONCONFORMANCE DOCUMENTATION

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG No.:

Lab Sample ID: CCVIS 480-694923/4 Calibration Date: 12/11/2023 09:38

Instrument ID: HP5975D Calib Start Date: 11/29/2023 15:05

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/29/2023 17:39

Lab File ID: D7941.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.066	1.062	0.1000	24.9	25.0	-0.4	50.0
Chloromethane	Ave	1.956	1.710	0.1000	21.8	25.0	-12.6	20.0
Vinyl chloride	Ave	1.185	1.258	0.1000	26.5	25.0	6.2	20.0
Butadiene	Ave	1.120	1.050		23.4	25.0	-6.2	20.0
Bromomethane	Ave	1.037	0.9143	0.1000	22.0	25.0	-11.8	50.0
Chloroethane	Lin1		0.4526	0.1000	25.0	25.0	-0.0	50.0
Dichlorofluoromethane	Ave	1.424	1.455		25.5	25.0	2.2	20.0
Trichlorofluoromethane	Ave	1.166	1.255	0.1000	26.9	25.0	7.6	20.0
Ethyl ether	Ave	0.9614	1.059		27.5	25.0	10.2	20.0
Acrolein	Lin1		0.0654		114	125	-9.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.6878	0.5810	0.1000	21.1	25.0	-15.5	20.0
1,1-Dichloroethene	Ave	0.7893	0.7782	0.1000	24.7	25.0	-1.4	20.0
Acetone	Ave	0.4863	0.5775	0.1000	148	125	18.8	50.0
Iodomethane	Ave	1.847	1.878		25.4	25.0	1.7	20.0
Carbon disulfide	Ave	2.872	2.805	0.1000	24.4	25.0	-2.3	20.0
Allyl chloride	Ave	2.272	2.460		27.1	25.0	8.3	20.0
Methyl acetate	Ave	1.162	1.469	0.1000	63.2	50.0	26.4	50.0
Methylene Chloride	Lin1		1.125	0.1000	24.2	25.0	-3.1	20.0
2-Methyl-2-propanol	Ave	0.1563	0.1416		227	250	-9.4	50.0
Methyl tert-butyl ether	Ave	2.456	2.136	0.1000	21.7	25.0	-13.0	20.0
trans-1,2-Dichloroethene	Ave	1.251	1.376	0.1000	27.5	25.0	10.0	20.0
Acrylonitrile	Ave	0.7056	0.7180		254	250	1.8	20.0
Hexane	Ave	2.015	2.214		27.5	25.0	9.9	20.0
1,1-Dichloroethane	Ave	2.428	2.504	0.2000	25.8	25.0	3.1	20.0
Vinyl acetate	Ave	3.437	3.782		55.0	50.0	10.0	20.0
2,2-Dichloropropane	Ave	1.221	1.219		25.0	25.0	-0.1	20.0
cis-1,2-Dichloroethene	Ave	1.378	1.462	0.1000	26.5	25.0	6.1	20.0
2-Butanone (MEK)	Ave	0.8974	0.9812	0.1000	137	125	9.3	20.0
Chlorobromomethane	Ave	0.7835	0.8301		26.5	25.0	5.9	20.0
Tetrahydrofuran	Ave	0.5724	0.6180		54.0	50.0	8.0	20.0
Chloroform	Ave	2.423	2.460	0.2000	25.4	25.0	1.5	20.0
1,1,1-Trichloroethane	Ave	1.596	1.628	0.1000	25.5	25.0	2.0	20.0
Cyclohexane	Ave	1.764	1.753	0.1000	24.8	25.0	-0.6	20.0
Carbon tetrachloride	Ave	1.468	1.593	0.1000	27.1	25.0	8.5	20.0
1,1-Dichloropropene	Ave	1.619	1.725		26.6	25.0	6.5	20.0
Benzene	Ave	4.705	4.759	0.5000	25.3	25.0	1.1	20.0
Isobutyl alcohol	Ave	0.0694	0.0753		678	625	8.5	50.0
1,2-Dichloroethane	Ave	1.863	1.873	0.1000	25.1	25.0	0.6	20.0
n-Heptane	Ave	2.550	2.870		28.1	25.0	12.6	20.0
Trichloroethene	Ave	1.343	1.405	0.2000	26.2	25.0	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Lab Sample ID: CCVIS 480-695045/4 Calibration Date: 12/12/2023 10:13

Instrument ID: HP5973N Calib Start Date: 12/01/2023 13:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/01/2023 16:14

Lab File ID: N3810.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.441	1.360	0.1000	23.6	25.0	-5.6	50.0
Chloromethane	Ave	3.214	2.824	0.1000	22.0	25.0	-12.1	20.0
Vinyl chloride	Ave	1.691	1.536	0.1000	22.7	25.0	-9.2	20.0
Butadiene	Ave	2.836	2.569		22.6	25.0	-9.4	20.0
Bromomethane	Ave	0.8248	0.7412	0.1000	22.5	25.0	-10.1	50.0
Chloroethane	Ave	1.026	0.9578	0.1000	23.3	25.0	-6.7	50.0
Dichlorofluoromethane	Ave	2.401	2.122		22.1	25.0	-11.6	20.0
Trichlorofluoromethane	Ave	1.726	1.617	0.1000	23.4	25.0	-6.4	20.0
Ethyl ether	Ave	1.846	1.547		21.0	25.0	-16.2	20.0
Acrolein	Lin1		0.0956		97.9	125	-21.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9900	0.9302	0.1000	23.5	25.0	-6.0	20.0
1,1-Dichloroethene	Ave	1.069	0.9364	0.1000	21.9	25.0	-12.4	20.0
Acetone	Ave	1.267	0.9545	0.1000	94.2	125	-24.6	50.0
Iodomethane	Ave	1.960	1.633		20.8	25.0	-16.7	20.0
Carbon disulfide	Ave	3.609	2.990	0.1000	20.7	25.0	-17.2	20.0
Allyl chloride	Ave	4.345	3.914		22.5	25.0	-9.9	20.0
Methyl acetate	Ave	2.899	2.750	0.1000	47.4	50.0	-5.1	50.0
Methylene Chloride	Lin1		1.159	0.1000	24.2	25.0	-3.2	20.0
2-Methyl-2-propanol	Ave	0.4099	0.2667		163	250	-34.9	50.0
Methyl tert-butyl ether	Ave	4.214	3.874	0.1000	23.0	25.0	-8.1	20.0
trans-1,2-Dichloroethene	Ave	1.286	1.155	0.1000	22.4	25.0	-10.2	20.0
Acrylonitrile	Ave	1.486	1.225		206	250	-17.6	20.0
Hexane	Ave	2.711	2.557		23.6	25.0	-5.7	20.0
1,1-Dichloroethane	Ave	2.912	2.689	0.2000	23.1	25.0	-7.7	20.0
Vinyl acetate	Ave	5.300	5.383		50.8	50.0	1.6	20.0
2,2-Dichloropropane	Ave	1.219	1.181		24.2	25.0	-3.1	20.0
cis-1,2-Dichloroethene	Ave	1.330	1.207	0.1000	22.7	25.0	-9.2	20.0
2-Butanone (MEK)	Ave	2.033	1.622	0.1000	99.7	125	-20.2*	20.0
Chlorobromomethane	Ave	0.6674	0.5568		20.9	25.0	-16.6	20.0
Tetrahydrofuran	Ave	1.413	1.188		42.0	50.0	-16.0	20.0
Chloroform	Ave	2.142	1.974	0.2000	23.0	25.0	-7.8	20.0
1,1,1-Trichloroethane	Ave	1.700	1.697	0.1000	25.0	25.0	-0.2	20.0
Cyclohexane	Ave	3.490	3.204	0.1000	23.0	25.0	-8.2	20.0
Carbon tetrachloride	Ave	1.330	1.516	0.1000	28.5	25.0	14.0	20.0
1,1-Dichloropropene	Ave	1.573	1.485		23.6	25.0	-5.6	20.0
Benzene	Ave	4.504	4.294	0.5000	23.8	25.0	-4.7	20.0
Isobutyl alcohol	Ave	0.1851	0.1439		486	625	-22.3	50.0
1,2-Dichloroethane	Ave	2.372	2.086	0.1000	22.0	25.0	-12.0	20.0
n-Heptane	Ave	3.827	3.522		23.0	25.0	-8.0	20.0
Trichloroethene	Ave	1.122	1.139	0.2000	25.4	25.0	1.5	20.0
Methylcyclohexane	Ave	1.908	1.946	0.1000	25.5	25.0	2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Lab Sample ID: CCVIS 480-695045/4 Calibration Date: 12/12/2023 10:13

Instrument ID: HP5973N Calib Start Date: 12/01/2023 13:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/01/2023 16:14

Lab File ID: N3810.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	1.347	1.306	0.1000	24.2	25.0	-3.1	20.0
Dibromomethane	Ave	0.7434	0.7277	0.1000	24.5	25.0	-2.1	20.0
1,4-Dioxane	Ave	0.0059	0.0043		365	500	-27.1	50.0
Bromodichloromethane	Ave	1.387	1.422	0.2000	25.6	25.0	2.6	20.0
2-Chloroethyl vinyl ether	Ave	0.9389	0.9552		25.4	25.0	1.7	20.0
cis-1,3-Dichloropropene	Ave	1.497	1.632	0.2000	27.3	25.0	9.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3523	0.3107	0.1000	110	125	-11.8	20.0
Toluene	Ave	0.7838	0.7933	0.4000	25.3	25.0	1.2	20.0
trans-1,3-Dichloropropene	Ave	0.3760	0.4501	0.1000	29.9	25.0	19.7	20.0
Ethyl methacrylate	Ave	0.4445	0.4172		23.5	25.0	-6.1	20.0
1,1,2-Trichloroethane	Ave	0.2341	0.2314	0.1000	24.7	25.0	-1.1	20.0
Tetrachloroethene	Ave	0.2904	0.3010	0.2000	25.9	25.0	3.7	20.0
1,3-Dichloropropane	Ave	0.4762	0.4726		24.8	25.0	-0.8	20.0
2-Hexanone	Ave	0.7886	0.6647	0.1000	105	125	-15.7	20.0
Dibromochloromethane	Ave	0.2931	0.3147	0.1000	26.8	25.0	7.4	20.0
1,2-Dibromoethane	Ave	0.2805	0.2902		25.9	25.0	3.5	20.0
Chlorobenzene	Ave	0.8539	0.8457	0.5000	24.8	25.0	-1.0	20.0
Ethylbenzene	Ave	1.535	1.489	0.1000	24.2	25.0	-3.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2998	0.3163		26.4	25.0	5.5	20.0
m,p-Xylene	Ave	0.5358	0.5068	0.1000	23.6	25.0	-5.4	20.0
o-Xylene	Ave	0.5548	0.5436	0.3000	24.5	25.0	-2.0	20.0
Styrene	Ave	0.8832	0.8438	0.3000	23.9	25.0	-4.5	20.0
Bromoform	Ave	0.1918	0.1963	0.1000	25.6	25.0	2.3	50.0
Isopropylbenzene	Ave	2.637	3.169	0.1000	30.0	25.0	20.2*	20.0
Bromobenzene	Ave	0.6894	0.7177		26.0	25.0	4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8575	0.9205	0.3000	26.8	25.0	7.3	20.0
N-Propylbenzene	Ave	3.301	3.825		29.0	25.0	15.9	20.0
1,2,3-Trichloropropane	Ave	0.2797	0.2949		26.4	25.0	5.4	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.4772		24.4	25.0	-2.2	50.0
2-Chlorotoluene	Ave	0.6211	0.7142		28.7	25.0	15.0	20.0
1,3,5-Trimethylbenzene	Ave	2.261	2.580		28.5	25.0	14.1	20.0
4-Chlorotoluene	Ave	2.316	2.478		26.7	25.0	7.0	20.0
tert-Butylbenzene	Ave	0.4982	0.5684		28.5	25.0	14.1	20.0
1,2,4-Trimethylbenzene	Ave	2.365	2.633		27.8	25.0	11.3	20.0
sec-Butylbenzene	Ave	2.818	3.273		29.0	25.0	16.2	20.0
1,3-Dichlorobenzene	Ave	1.323	1.326	0.6000	25.1	25.0	0.3	20.0
4-Isopropyltoluene	Ave	2.514	2.899		28.8	25.0	15.3	20.0
1,4-Dichlorobenzene	Ave	1.388	1.364	0.5000	24.6	25.0	-1.7	20.0
n-Butylbenzene	Ave	2.346	2.604		27.7	25.0	11.0	20.0
1,2-Dichlorobenzene	Ave	1.347	1.331	0.4000	24.7	25.0	-1.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1889	0.2124	0.0500	28.1	25.0	12.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9081	0.8816	0.2000	24.3	25.0	-2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Lab Sample ID: CCVIS 480-695063/4 Calibration Date: 12/12/2023 10:54

Instrument ID: HP5973S Calib Start Date: 11/06/2023 21:30

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/07/2023 00:14

Lab File ID: S4637.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.269	1.622	0.1000	31.9	25.0	27.8	50.0
Chloromethane	Ave	1.218	1.401	0.1000	28.8	25.0	15.0	20.0
Vinyl chloride	Ave	1.259	1.495	0.1000	29.7	25.0	18.8	20.0
Butadiene	Ave	1.409	1.600		28.4	25.0	13.5	20.0
Bromomethane	Ave	1.066	1.102	0.1000	25.8	25.0	3.4	50.0
Chloroethane	Ave	0.997	1.003	0.1000	25.1	25.0	0.6	50.0
Trichlorofluoromethane	Ave	2.178	2.434	0.1000	27.9	25.0	11.7	20.0
Dichlorofluoromethane	Ave	2.492	2.607		26.2	25.0	4.6	20.0
Ethyl ether	Ave	1.291	1.280		24.8	25.0	-0.8	20.0
Acrolein	Ave	0.0841	0.0699		104	125	-16.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.134	1.301	0.1000	28.7	25.0	14.7	20.0
1,1-Dichloroethene	Ave	1.083	1.114	0.1000	25.7	25.0	2.8	20.0
Acetone	Ave	0.5082	0.7114	0.1000	175	125	40.0	50.0
Iodomethane	Ave	2.084	2.100		25.2	25.0	0.8	20.0
Carbon disulfide	Ave	3.694	3.861	0.1000	26.1	25.0	4.5	20.0
Allyl chloride	Ave	1.934	2.061		26.6	25.0	6.6	20.0
Methyl acetate	Ave	1.187	1.264	0.1000	53.2	50.0	6.5	50.0
Methylene Chloride	Lin1		1.285	0.1000	26.2	25.0	4.6	20.0
2-Methyl-2-propanol	Ave	0.0751	0.1327		441	250	76.6*	50.0
Methyl tert-butyl ether	Ave	3.696	3.746	0.1000	25.3	25.0	1.4	20.0
trans-1,2-Dichloroethene	Ave	1.137	1.277	0.1000	28.1	25.0	12.3	20.0
Acrylonitrile	Ave	0.5453	0.6207		285	250	13.8	20.0
Hexane	Ave	1.792	1.986		27.7	25.0	10.8	20.0
1,1-Dichloroethane	Ave	2.106	2.258	0.2000	26.8	25.0	7.2	20.0
Vinyl acetate	Ave	2.465	2.760		56.0	50.0	12.0	20.0
2,2-Dichloropropane	Ave	1.249	1.312		26.3	25.0	5.0	20.0
cis-1,2-Dichloroethene	Ave	1.287	1.373	0.1000	26.7	25.0	6.7	20.0
2-Butanone (MEK)	Ave	0.7003	0.8633	0.1000	154	125	23.3*	20.0
Chlorobromomethane	Ave	0.6901	0.6984		25.3	25.0	1.2	20.0
Tetrahydrofuran	Ave	0.4542	0.5156		56.8	50.0	13.5	20.0
Chloroform	Ave	2.178	2.257	0.2000	25.9	25.0	3.6	20.0
1,1,1-Trichloroethane	Ave	1.668	1.920	0.1000	28.8	25.0	15.2	20.0
Cyclohexane	Ave	2.076	2.263	0.1000	27.3	25.0	9.0	20.0
Carbon tetrachloride	Ave	1.295	1.577	0.1000	30.5	25.0	21.8*	20.0
1,1-Dichloropropene	Ave	1.616	1.813		28.1	25.0	12.2	20.0
Benzene	Ave	4.871	5.154	0.5000	26.5	25.0	5.8	20.0
Isobutyl alcohol	Ave	0.0256	0.0587		1430	625	129.4*	50.0
1,2-Dichloroethane	Ave	1.973	2.013	0.1000	25.5	25.0	2.0	20.0
n-Heptane	Ave	1.723	1.918		27.8	25.0	11.3	20.0
Trichloroethene	Ave	1.230	1.346	0.2000	27.4	25.0	9.4	20.0
Methylcyclohexane	Ave	2.080	2.220	0.1000	26.7	25.0	6.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Lab Sample ID: CCVIS 480-695063/4 Calibration Date: 12/12/2023 10:54

Instrument ID: HP5973S Calib Start Date: 11/06/2023 21:30

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/07/2023 00:14

Lab File ID: S4637.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	1.202	1.234	0.1000	25.7	25.0	2.6	20.0
Dibromomethane	Ave	0.8343	0.8573	0.1000	25.7	25.0	2.8	20.0
1,4-Dioxane	Ave	0.0028	0.0070		1250	500	150.0*	50.0
Bromodichloromethane	Ave	1.510	1.694	0.2000	28.0	25.0	12.2	20.0
2-Chloroethyl vinyl ether	Ave	0.7935	0.8708		27.4	25.0	9.8	20.0
cis-1,3-Dichloropropene	Ave	1.771	1.930	0.2000	27.2	25.0	9.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7823	0.8146	0.1000	130	125	4.1	20.0
Toluene	Ave	1.482	1.575	0.4000	26.6	25.0	6.3	20.0
trans-1,3-Dichloropropene	Lin1		0.8119	0.1000	24.7	25.0	-1.2	20.0
Ethyl methacrylate	Ave	0.7117	0.7722		27.1	25.0	8.5	20.0
1,1,2-Trichloroethane	Ave	0.4464	0.4759	0.1000	26.7	25.0	6.6	20.0
Tetrachloroethene	Ave	0.6141	0.6871	0.2000	28.0	25.0	11.9	20.0
1,3-Dichloropropane	Ave	0.9309	0.9904		26.6	25.0	6.4	20.0
2-Hexanone	Ave	0.5232	0.6233	0.1000	149	125	19.1	20.0
Dibromochloromethane	Ave	0.5012	0.5800	0.1000	28.9	25.0	15.7	20.0
1,2-Dibromoethane	Ave	0.5422	0.5952		27.4	25.0	9.8	20.0
Chlorobenzene	Ave	1.639	1.769	0.5000	27.0	25.0	7.9	20.0
Ethylbenzene	Ave	2.769	3.056	0.1000	27.6	25.0	10.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4801	0.5786		30.1	25.0	20.5*	20.0
m,p-Xylene	Ave	1.093	1.181	0.1000	27.0	25.0	8.0	20.0
o-Xylene	Ave	1.074	1.156	0.3000	26.9	25.0	7.6	20.0
Styrene	Ave	1.655	1.896	0.3000	28.6	25.0	14.6	20.0
Bromoform	Ave	0.2914	0.3917	0.1000	33.6	25.0	34.4	50.0
Isopropylbenzene	Ave	2.459	2.702	0.1000	27.5	25.0	9.9	20.0
Bromobenzene	Ave	0.6859	0.7043		25.7	25.0	2.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6998	0.7159	0.3000	25.6	25.0	2.3	20.0
N-Propylbenzene	Ave	2.973	3.240		27.2	25.0	9.0	20.0
1,2,3-Trichloropropane	Ave	0.2450	0.2511		25.6	25.0	2.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1982	0.2049		25.8	25.0	3.4	50.0
2-Chlorotoluene	Ave	0.6131	0.6398		26.1	25.0	4.4	20.0
1,3,5-Trimethylbenzene	Ave	2.118	2.300		27.2	25.0	8.6	20.0
4-Chlorotoluene	Ave	0.6501	0.7019		27.0	25.0	8.0	20.0
tert-Butylbenzene	Ave	0.4944	0.5443		27.5	25.0	10.1	20.0
1,2,4-Trimethylbenzene	Ave	2.203	2.433		27.6	25.0	10.4	20.0
sec-Butylbenzene	Ave	2.690	2.986		27.8	25.0	11.0	20.0
1,3-Dichlorobenzene	Ave	1.306	1.397	0.6000	26.8	25.0	7.0	20.0
4-Isopropyltoluene	Ave	2.330	2.664		28.6	25.0	14.4	20.0
1,4-Dichlorobenzene	Ave	1.384	1.447	0.5000	26.1	25.0	4.6	20.0
n-Butylbenzene	Ave	2.032	2.395		29.5	25.0	17.9	20.0
1,2-Dichlorobenzene	Ave	1.316	1.388	0.4000	26.4	25.0	5.5	20.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1384	0.0500	24.1	25.0	-3.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8816	0.9459	0.2000	26.8	25.0	7.3	20.0

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-215576-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-695045/8

Matrix: Water | Lab File ID: N3814.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2023 11:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 695045 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.486	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-123

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N3683.d

Lab ID: 480-215440-1 MSD Client ID: QNSB-MW-110 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	29.5	118	13	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	28.8	115	10	15	76-120	
1,1,2-Trichloroethane	25.0	28.1	112	9	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.5	106	12	20	61-148	
1,1-Dichloroethane	25.0	25.6	102	8	20	77-120	
1,1-Dichloroethene	25.0	24.9	100	8	16	66-127	
1,2,4-Trichlorobenzene	25.0	29.4	118	9	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	29.9	120	7	15	56-134	
1,2-Dichlorobenzene	25.0	26.9	107	5	20	80-124	
1,2-Dichloroethane	25.0	24.1	97	6	20	75-120	
1,2-Dichloropropane	25.0	26.5	106	8	20	76-120	
1,3-Dichlorobenzene	25.0	27.0	108	9	20	77-120	
1,4-Dichlorobenzene	25.0	26.2	105	11	20	78-124	
2-Butanone (MEK)	125	121	97	7	20	57-140	
2-Hexanone	125	135	108	5	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	133	106	8	35	71-125	
Acetone	125	122	98	16	15	56-142	F2
Benzene	25.0	25.8	103	7	13	71-124	
Bromodichloromethane	25.0	27.1	108	12	15	80-122	
Bromoform	25.0	22.4	90	5	15	61-132	
Bromomethane	25.0	27.1	109	6	15	55-144	
Carbon disulfide	25.0	22.6	90	11	15	59-134	
Carbon tetrachloride	25.0	30.8	123	12	15	72-134	
Chlorobenzene	25.0	27.7	111	10	25	80-120	
Dibromochloromethane	25.0	25.8	103	14	15	75-125	
Chloroethane	25.0	26.9	108	4	15	69-136	
Chloroform	25.0	26.3	83	8	20	73-127	
Chloromethane	25.0	24.0	96	7	15	68-124	
cis-1,2-Dichloroethene	25.0	25.9	104	8	15	74-124	
cis-1,3-Dichloropropene	25.0	26.9	108	7	15	74-124	
Cyclohexane	25.0	25.6	102	10	20	59-135	
Dichlorodifluoromethane	25.0	25.0	100	2	20	59-135	
Ethylbenzene	25.0	27.9	111	13	15	77-123	
1,2-Dibromoethane	25.0	29.2	117	13	15	77-120	
Isopropylbenzene	25.0	30.4	122	8	20	77-122	
Methyl acetate	50.0	47.6	95	5	20	74-133	
Methyl tert-butyl ether	25.0	25.1	100	5	37	77-120	
Methylcyclohexane	25.0	27.2	109	10	20	68-134	
Methylene Chloride	25.0	26.6	107	5	15	75-124	
Styrene	25.0	27.5	110	13	20	80-120	
Tetrachloroethene	25.0	30.6	122	17	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-215440-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N3683.d

Lab ID: 480-215440-1 MSD Client ID: QNSB-MW-110 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	28.6	111	15	15	80-122	
trans-1,2-Dichloroethene	25.0	24.4	98	7	20	73-127	
trans-1,3-Dichloropropene	25.0	30.2	121	15	15	80-120	F1
Trichloroethene	25.0	27.2	109	12	16	74-123	
Trichlorofluoromethane	25.0	27.4	110	1	20	62-150	
Vinyl chloride	25.0	28.1	113	7	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-215528-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D7943.d

Lab ID: LCS 480-694923/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.4	98	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.4	101	76-120	
1,1,2-Trichloroethane	25.0	25.1	100	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.0	104	61-148	
1,1-Dichloroethane	25.0	25.8	103	77-120	
1,1-Dichloroethene	25.0	27.0	108	66-127	
1,2,4-Trichlorobenzene	25.0	26.7	107	79-122	
1,2-Dibromo-3-Chloropropane	25.0	28.2	113	56-134	
1,2-Dichlorobenzene	25.0	24.8	99	80-124	
1,2-Dichloroethane	25.0	24.7	99	75-120	
1,2-Dichloropropane	25.0	24.0	96	76-120	
1,3-Dichlorobenzene	25.0	24.4	98	77-120	
1,4-Dichlorobenzene	25.0	24.0	96	80-120	
2-Butanone (MEK)	125	237	190	57-140	*+
2-Hexanone	125	134	107	65-127	
4-Methyl-2-pentanone (MIBK)	125	131	105	71-125	
Acetone	125	152	121	56-142	
Benzene	25.0	24.1	96	71-124	
Bromodichloromethane	25.0	25.8	103	80-122	
Bromoform	25.0	28.0	112	61-132	
Bromomethane	25.0	20.5	82	55-144	
Carbon disulfide	25.0	26.8	107	59-134	
Carbon tetrachloride	25.0	26.0	104	72-134	
Chlorobenzene	25.0	24.0	96	80-120	
Dibromochloromethane	25.0	26.8	107	75-125	
Chloroethane	25.0	22.6	91	69-136	
Chloroform	25.0	23.3	93	73-127	
Chloromethane	25.0	20.2	81	68-124	
cis-1,2-Dichloroethene	25.0	25.9	104	74-124	
cis-1,3-Dichloropropene	25.0	27.6	110	74-124	
Cyclohexane	25.0	24.2	97	59-135	
Dichlorodifluoromethane	25.0	23.8	95	59-135	
Ethylbenzene	25.0	24.5	98	77-123	
1,2-Dibromoethane	25.0	25.6	102	77-120	
Isopropylbenzene	25.0	25.5	102	77-122	
Methyl acetate	50.0	58.7	117	74-133	
Methyl tert-butyl ether	25.0	25.4	102	77-120	
Methylcyclohexane	25.0	24.7	99	68-134	
Methylene Chloride	25.0	25.1	100	75-124	
Styrene	25.0	25.7	103	80-120	
Tetrachloroethene	25.0	25.1	100	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-215576-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4639.d

Lab ID: LCS 480-695063/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	29.3	117	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.2	105	76-120	
1,1,2-Trichloroethane	25.0	26.8	107	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.5	114	61-148	
1,1-Dichloroethane	25.0	26.8	107	77-120	
1,1-Dichloroethene	25.0	26.2	105	66-127	
1,2,4-Trichlorobenzene	25.0	27.7	111	79-122	
1,2-Dibromo-3-Chloropropane	25.0	23.9	96	56-134	
1,2-Dichlorobenzene	25.0	27.4	109	80-124	
1,2-Dichloroethane	25.0	25.8	103	75-120	
1,2-Dichloropropane	25.0	25.8	103	76-120	
1,3-Dichlorobenzene	25.0	27.8	111	77-120	
1,4-Dichlorobenzene	25.0	27.5	110	80-120	
2-Butanone (MEK)	125	151	121	57-140	
2-Hexanone	125	146	116	65-127	
4-Methyl-2-pentanone (MIBK)	125	131	105	71-125	
Acetone	125	168	135	56-142	
Benzene	25.0	26.3	105	71-124	
Bromodichloromethane	25.0	28.1	112	80-122	
Bromoform	25.0	33.8	135	61-132	*+
Bromomethane	25.0	25.8	103	55-144	
Carbon disulfide	25.0	25.3	101	59-134	
Carbon tetrachloride	25.0	29.5	118	72-134	
Chlorobenzene	25.0	26.8	107	80-120	
Dibromochloromethane	25.0	29.1	116	75-125	
Chloroethane	25.0	25.6	103	69-136	
Chloroform	25.0	25.7	103	73-127	
Chloromethane	25.0	28.3	113	68-124	
cis-1,2-Dichloroethene	25.0	26.1	105	74-124	
cis-1,3-Dichloropropene	25.0	26.6	107	74-124	
Cyclohexane	25.0	27.7	111	59-135	
Dichlorodifluoromethane	25.0	31.1	124	59-135	
Ethylbenzene	25.0	27.3	109	77-123	
1,2-Dibromoethane	25.0	27.5	110	77-120	
Isopropylbenzene	25.0	28.6	115	77-122	
Methyl acetate	50.0	53.3	107	74-133	
Methyl tert-butyl ether	25.0	25.1	101	77-120	
Methylcyclohexane	25.0	27.3	109	68-134	
Methylene Chloride	25.0	24.9	100	75-124	
Styrene	25.0	28.6	114	80-120	
Tetrachloroethene	25.0	28.9	116	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

Data Usability Summary Report

Site: Queensbury Landfill Site No. 557005
Laboratory: Eurofins - Denver, Arvada, CO
SDGs: 480-215480-1 (Revision 1), 480-215528-1, 480-215576-1
Parameter: Per- and Polyfluoroalkyl substances (PFAS)
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: March 4, 2024

Samples Reviewed and Evaluation Summary

SDG 480-215480-1 (Revision 1)

8 Groundwater Samples: QNSB-MW-104, QNSB-MW-105, QNSB-MW-106, QNSB-MW-107, QNSB-MW-108, QNSB-MW-109, QNSB-MW-110, QNSB-DUP-01[1]

[1]Field duplicate of QNSB-MW-110

SDG 480-215528-1

3 Groundwater Samples: QNSB-MW-101, QNSB-MW-102, QNSB-MW-103

1 Equipment Blank Sample: EB-01

SDG 480-215576-1

2 Groundwater Samples: QNSB-BMW-101, QNSB-BMW-102

1 Equipment Blank Sample: QNSB-EB-02

The above-listed samples were collected on December 5-8, 2023 and were analyzed for PFAS (40 target analytes) based on EPA Draft Method 1633 and the laboratory's standard operating procedure. Note that all samples were also analyzed for total suspended solids (TSS) as per EPA Draft Method 1633; the TSS data was not validated.

The data validation was performed in accordance with the following guidance, modified for the methodology utilized:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005), November 2020
- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (EPA-542-R-20-007), November 2020
- New York State Department of Environmental Conservation Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids, April 2023

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness

- Holding Times and Sample Preservation
- Initial and Continuing Calibrations
* • Blanks
* • Isotopically Labeled Extraction Internal Standard (EIS) Results
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- On Going Precision and Recovery (OPR) Standard Results
* • Non-Extracted Internal Standard (NIS) Results
* • Field Duplicate Results
- Sample Results and Reported Quantitation Limits (QLs)
- Target Compound Identification

* - All criteria were met.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. There were no qualifications applied to the data because of sampling error. Qualifications applied to the data because of analytical error are discussed below.

- Potential uncertainty exists for select PFAS results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples by the laboratory. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for NFDHA, NMeFOSE, NEtFOSE, NMeFOSAA, and NEtFOSAA in all samples in this data set were qualified as estimated (UJ) with a potential low bias due to holding time exceedances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for PFBA in samples QNSB-MW-110 and QNSB-DUP-01 were qualified as estimated (J+) with a potential high bias due to a high MSD recovery. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive and nondetect results for all PFAS in samples QNSB-MW-101, QNSB-BMW-101, QNSB-BMW-102, and QNSB-MW-105 were qualified as estimated (J/UJ) due to subsampling performed by the laboratory. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for PFOS in sample QNSB-MW-101, and PFPeA in samples QNSB-MW-104 and QNSB-MW-104 were qualified as estimated (J) due to ion transition ratios outside of the acceptance limits. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data packages were complete Category B data deliverables, with minor deviations as noted throughout this report, and with the following exceptions.

- In SDG 480-215480-1, samples QNSB-MW-104 and QNSB-MW-105 were listed twice on the chains-of-custody (COCs) but with the same collection dates and times. Only one set of results was reported for each sample.
- In SDG 480-215480-1, the COC did not include a sample collection time for sample QNSB-MW-106; the collection time was entered by the laboratory as 00:00.
- In SDG 480-215528-1, the laboratory noted in the case narrative that MS/MSD recoveries were not met; however, MS/MSD analyses were not performed on a sample from this SDG. The laboratory was not contacted to remove the statement from the narrative.

Holding Times and Sample Preservation

The cooler temperature upon arrival at the laboratory was <6°C. Samples were stored by the laboratory at 0-6°C.

Samples were extracted 15-22 days after collection. Sample analyses were performed one to five days after extraction. Based on professional judgment and specific cautions in the EPA method, sample results were qualified as follows on this basis:

- Nondetect results for NFDHA in all samples in this data set were qualified as estimated (UJ) with a potential low bias since extraction was performed >48 hours after collection.

- Nondetect results for NMeFOSE, NEtFOSE, NMeFOSAA, and NEtFOSAA in all samples in this data set were qualified as estimated (UJ) with a potential low bias since extraction was performed >7 days after collection.

Initial and Continuing Calibrations

All percent relative standard deviations, relative standard error, and correlation coefficients in the initial calibrations (ICs) were within the method acceptance criteria. The laboratory did not report individual calibration standard recoveries as suggested in EPA method 1633 but stated during previous rounds of validation that these recoveries are evaluated at the instrument level only; no validation actions were taken on this basis since this review item is not a method requirement and since no issues were noted by the laboratory.

All percent differences (%Ds) for target analytes were within the acceptance criteria (30%) in the continuing calibration (CC) standards associated with the samples in this data set with the following exception. Select isotopically labeled EISs were not within the acceptance criteria; however, no validation actions were taken on this basis and the EIS values outside of the acceptance limits are not summarized in the report since the target analytes were within the method acceptance criteria in the CC standards or otherwise discussed.

The initial and continuing calibration standards contained linear and branched isomers for PFOS, PFHxS, NMeFOSAA, NEtFOSAA, PFOSA, NMeFOSE, NMeFOSA, NEtFOSE, and NEtFOSA as per the method; the laboratory analyzed qualitative standards with the linear and branched isomers for PFOA and PFNA. However, in SDG 480-215480-1, poor resolution was noted for several linear and branched isomers in the initial and continuing calibration standards that were analyzed on instrument LC_LCMS11; instead, the peaks for most of these compounds appeared to have a small shoulder. Upon communication with the laboratory during validation about this issue, it was determined that the instrument was impacted by sub-optimal chromatographic conditions causing the lack of complete resolution for the linear and branched isomers in the

calibration standards. Based upon review of the chromatograms, the samples in this SDG only contained clearly resolved peaks for linear and branched isomers of PFOS and PFOA; it is unclear if any additional target compounds contained linear and branched isomers due to the poor resolution on the instrument during this time. No validation actions were taken on this basis since integrations of all peaks appeared reasonable. No other issues were noted with the integration of linear and branched isomers for these compounds.

The laboratory calculated the response factor for PFTriA (or PFTrDA) using the isotopically labeled standard 13C2-PFTeDA. According to the method, the average of the area counts for the isotopically labeled standards 13C2-PFDoA and 13C2-PFTeDA should be used. There was no significant impact to the quality of sample data as PFTriA was not detected in the samples in this data set. No validation actions were required on this basis.

Blanks

Target PFAS compounds were not detected in the method blanks (MBs), calibration blanks, or equipment blanks.

It should be noted that the laboratory did not report an opening instrument calibration blank prior to the batch QC (MB and OPR) and several samples in SDG 480-215480-1, and the batch QC (MB and OPR) in SDG 480-215528-1; there is no adverse impact on the data usability due to this issue since the field samples were analyzed after the associated MB and were bracketed by a continuing calibration blank (all of which were nondetect for target PFAS).

Isotopically Labeled EIS Results

Twenty-four (24) isotopically labeled EISs were spiked into the samples prior to extraction. The percent recoveries (%Rs) were within the method acceptance limits for all PFAS analyses.

MS/MSD Results

MS/MSD analyses were performed on sample QNSB-MW-110. The %Rs and relative percent differences (RPDs) were within the laboratory acceptance limits with the following exception. The %R for PFBA (156%) in the MSD was above the laboratory acceptance limits (58-148%). Therefore, the positive results for PFBA in sample QNSB-MW-110 and its field duplicate, QNSB-DUP-01, were qualified as estimated (J+) with a potential high bias.

OPR Standard Results

The laboratory analyzed a low-level and mid-level OPR and/or OPR Duplicate with each extraction batch. The %Rs and RPDs, where applicable, were within the laboratory acceptance limits with the following exception. In SDG 480-215528-1, the %R for NEtFOSAA (162%) was above the laboratory acceptance limits (51-154%) in the low-level OPR (LLCS 280-638219/2-A) associated with all samples from that SDG. No validation actions were required on this basis since NEtFOSAA was not detected in the associated samples.

It should be noted that the laboratory used different acceptance limits than those provided in EPA method 1633. Only the laboratory acceptance limits were used in the evaluation of the OPR %Rs.

NIS Results

Seven isotopically labeled NIS were spiked into the samples prior to analysis. The %Rs were within the laboratory acceptance limits (30-200% of the average response from the IC standards) for all PFAS analyses.

It should be noted that the laboratory used different acceptance limits than those provided in EPA method 1633. Only the laboratory acceptance limits were used in the evaluation of the NISs.

Field Duplicate Results

Samples QNSB-MW-110 and QNSB-DUP-01 were submitted as the field duplicate pair with this sample set. The RPD acceptance limit for field duplicates in aqueous media is ≤30%. The RPD is not applicable for comparison of results <5x the QL; instead, comparison is based on the absolute difference (AbsD) between the results, which must be ≤QL. The following table summarizes the detected results, the AbsDs for the detected analytes, and the resulting validation actions.

Analyte	QL(s) (ng/L)	Concentration (ng/L)		AbsD (ng/L)	Validation Actions
		QNSB-MW-110	QNSB-DUP-01		
PFBA	7.5	11	11	0	None; all criteria were met.
PFPeA	3.7/3.8	8.1	8.1	0	
PFHxA	1.9	5.6	5.4	0.2	

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

Select PFAS results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

No analytical dilutions were performed on the samples in this data set. However, select samples were extracted at reduced volumes as noted below likely due to their respective TSS results and/or observations noted during preparation; QLs were elevated accordingly by the laboratory. The positive and nondetect results for all PFAS in these samples were qualified as estimated (J/UJ) due to subsampling.

- Sample QNSB-MW-101 was extracted at a reduced volume (approximately 250 mL) due to the nature of the sample matrix as indicated in the case narrative and since the TSS result was >100 mg/L.
- Sample QNSB-BMW-101 was extracted at a reduced volume (approximately 250 mL) due to the nature of the sample matrix as indicated in the case narrative; the laboratory stated during validation that the sample had red sediment in the bottle used for PFAS extraction. Further, the TSS result was nondetect in this sample; the laboratory stated during validation that the sample had no sediment in the bottle used for TSS analysis.
- Sample QNSB-BMW-102 was extracted at a reduced volume (approximately 100 mL) due to the nature of the sample matrix as indicated in the case narrative and since the TSS result was >200 mg/L.
- Sample QNSB-MW-105 was extracted at a reduced volume (approximately 50 mL) due to the nature of the sample matrix as indicated in the case narrative and since the TSS

result was >500 mg/L.

The remaining samples in this data set were extracted using approximately 500 mL (i.e., the entire volume submitted) since the TSS results for these samples were <100 mg/L.

In SDG 480-215480-1, the laboratory noted in the case narrative that when samples QNSB-MW-110 and QNSB-DUP-01 (480-215480-8) were eluted, the resulting elute had a brown color. No validation actions were taken on the basis of this observation.

Target Compound Identification

Extracted ion chromatograms were reviewed to verify the target compound identifications. The laboratory manually integrated several peaks to ensure the inclusion of linear and branched isomers for PFOA, PFNA, PFOS, PFOSA, NEtFOSAA, NMeFOSAA, NMeFOSA, NEtFOSA, NMeFOSE, NEtFOSE, and/or PFHxS and/or to ensure proper integration.

The laboratory analyzed a separate bile salt interference check standard on each day of analysis. No issues were noted with the reported Taurodeoxycholic Acid (TDCA) standards.

No issues were noted with signal to noise ratios. The laboratory utilized the precursor/product ion transitions for identification confirmation for all reported PFAS except PFBA, NMeFOSE, NEtFOSE, PFMPA, and PFMBA, as per the method requirements. Ion ratios for detected PFAS were within the laboratory's acceptance ranges for the samples in this data set with the following exceptions. The following table summarizes the ratio between the two precursor/product ion transitions for detected results that did not meet the method acceptance criteria and the validation actions.

Sample ID	Compound	Ratio	Ratio QC Limits	Validation Actions
QNSB-MW-101	PFOS	7.13	2.21-6.62	The positive result for PFOS in sample QNSB-MW-101 was qualified as estimated (J).
QNSB-MW-104	PFPeA	85.31	100.45-301.34	The positive result for PFPeA in sample QNSB-MW-104 was qualified as estimated (J).
QNSB-MW-106	PFPeA	348.32	100.45-301.34	The positive result for PFPeA in sample QNSB-MW-106 was qualified as estimated (J).

QUALIFIED FORM 1s

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 | Lab Sample ID: 480-215480-1

Matrix: Water | Lab File ID: 2023.12.28.020.d

Analysis Method: Draft 1633 | Date Collected: 12/05/2023 11:20

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 549.9(mL) | Date Analyzed: 12/28/2023 15:59

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.9	J	7.3	1.8
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.5	~~J~~ ~~I~~ J	3.6	0.91
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.8	0.45
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.47
335-67-1	Perfluorooctanoic acid (PFOA)	1.1	J	1.8	0.58
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.45
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.45
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.45
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.45
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.65	J	1.8	0.27
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.52
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.36
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.45
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.36
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.82
757124-72-4	4:2 FTS	ND		7.3	1.5
27619-97-2	6:2 FTS	ND		7.3	2.3
39108-34-4	8:2 FTS	ND		7.3	2.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45
31506-32-8	NMeFOSA	ND		1.8	0.45
4151-50-2	NEtFOSA	ND		1.8	0.45
2355-31-9	NMeFOSAA	ND	UJ	3.6	1.1
2991-50-6	NEtFOSAA	ND	UJ	1.8	0.64
24448-09-7	NMeFOSE	ND	UJ	18	4.5
1691-99-2	NEtFOSE	ND	UJ	18	4.5
13252-13-6	HFPO-DA (GenX)	ND		7.3	1.8
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.3	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-104 Lab Sample ID: 480-215480-1

Matrix: Water Lab File ID: 2023.12.28.020.d

Analysis Method: Draft 1633 Date Collected: 12/05/2023 11:20

Extraction Method: 1633 Date Extracted: 12/27/2023 10:57

Sample wt/vol: 549.9(mL) Date Analyzed: 12/28/2023 15:59

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 6(uL) GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND		3.6	0.91
151772-58-6	NFDHA	ND	UJ	3.6	0.91
377-73-1	PFMPA	ND		3.6	0.45
756426-58-1	9Cl-PF3ONS	ND		7.3	0.91
763051-92-9	11Cl-PF3OUdS	ND		7.3	1.8
113507-82-7	PFEESA	ND		3.6	0.45
356-02-5	3:3 FTCA	ND		9.1	1.4
914637-49-3	5:3 FTCA	ND		45	9.1
812-70-4	7:3 FTCA	ND		45	9.1

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: 2023.12.28.021.d

Analysis Method: Draft 1633 | Date Collected: 12/05/2023 11:40

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 49.9(mL) | Date Analyzed: 12/28/2023 16:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND	UJ	80	20
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		40	10
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		20	5.0
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		20	5.2
335-67-1	Perfluorooctanoic acid (PFOA)	ND		20	6.4
375-95-1	Perfluorononanoic acid (PFNA)	ND		20	5.0
335-76-2	Perfluorodecanoic acid (PFDA)	ND		20	5.0
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		20	5.0
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		20	5.0
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		20	5.0
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		20	5.0
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		20	3.0
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		20	5.0
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		20	5.7
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		20	4.0
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		20	5.0
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		20	4.0
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		20	5.0
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		20	9.0
757124-72-4	4:2 FTS	ND		80	17
27619-97-2	6:2 FTS	ND		80	25
39108-34-4	8:2 FTS	ND		80	26
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		20	5.0
31506-32-8	NMeFOSA	ND		20	5.0
4151-50-2	NEtFOSA	ND		20	5.0
2355-31-9	NMeFOSAA	ND		40	12
2991-50-6	NEtFOSAA	ND		20	7.0
24448-09-7	NMeFOSE	ND		200	50
1691-99-2	NEtFOSE	ND		200	50
13252-13-6	HFPO-DA (GenX)	ND		80	20
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		80	15

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-105 | Lab Sample ID: 480-215480-2

Matrix: Water | Lab File ID: 2023.12.28.021.d

Analysis Method: Draft 1633 | Date Collected: 12/05/2023 11:40

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 49.9(mL) | Date Analyzed: 12/28/2023 16:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND	UJ	40	10
151772-58-6	NFDHA	ND		40	10
377-73-1	PFMPA	ND		40	5.0
756426-58-1	9Cl-PF3ONS	ND		80	10
763051-92-9	11Cl-PF3OUdS	ND		80	20
113507-82-7	PFEESA	ND		40	5.0
356-02-5	3:3 FTCA	ND		100	15
914637-49-3	5:3 FTCA	ND		500	100
812-70-4	7:3 FTCA	ND		500	100

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: 2023.12.28.022.d

Analysis Method: Draft 1633 | Date Collected: 12/06/2023 00:00

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 555(mL) | Date Analyzed: 12/28/2023 16:38

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.5	J	7.2	1.8
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.4	~~J~~ ~~I~~ J	3.6	0.90
307-24-4	Perfluorohexanoic acid (PFHxA)	1.8		1.8	0.45
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.95	J	1.8	0.47
335-67-1	Perfluorooctanoic acid (PFOA)	3.9		1.8	0.58
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.45
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.45
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.45
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.45
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.27
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.2		1.8	0.51
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.36
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.64	J	1.8	0.45
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.36
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.81
757124-72-4	4:2 FTS	ND		7.2	1.5
27619-97-2	6:2 FTS	ND		7.2	2.3
39108-34-4	8:2 FTS	ND		7.2	2.3
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45
31506-32-8	NMeFOSA	ND		1.8	0.45
4151-50-2	NEtFOSA	ND		1.8	0.45
2355-31-9	NMeFOSAA	ND	UJ	3.6	1.1
2991-50-6	NEtFOSAA	ND	UJ	1.8	0.63
24448-09-7	NMeFOSE	ND	UJ	18	4.5
1691-99-2	NEtFOSE	ND	UJ	18	4.5
13252-13-6	HFPO-DA (GenX)	ND		7.2	1.8
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.2	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-106 | Lab Sample ID: 480-215480-3

Matrix: Water | Lab File ID: 2023.12.28.022.d

Analysis Method: Draft 1633 | Date Collected: 12/06/2023 00:00

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 555(mL) | Date Analyzed: 12/28/2023 16:38

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND		3.6	0.90
151772-58-6	NFDHA	ND	UJ	3.6	0.90
377-73-1	PFMPA	ND		3.6	0.45
756426-58-1	9Cl-PF3ONS	ND		7.2	0.90
763051-92-9	11Cl-PF3OUdS	ND		7.2	1.8
113507-82-7	PFEESA	ND		3.6	0.45
356-02-5	3:3 FTCA	ND		9.0	1.4
914637-49-3	5:3 FTCA	ND		45	9.0
812-70-4	7:3 FTCA	ND		45	9.0

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: 2023.12.28.023.d

Analysis Method: Draft 1633 | Date Collected: 12/06/2023 14:45

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 535.4(mL) | Date Analyzed: 12/28/2023 16:58

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.5	J	7.5	1.9
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.95	J	3.7	0.93
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.9	0.47
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.49
335-67-1	Perfluorooctanoic acid (PFOA)	1.5	J	1.9	0.60
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.47
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.47
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.47
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.47
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.9	0.47
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.47
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.28
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.47
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.53
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.37
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.47
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.37
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.47
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.84
757124-72-4	4:2 FTS	ND		7.5	1.6
27619-97-2	6:2 FTS	ND		7.5	2.3
39108-34-4	8:2 FTS	ND		7.5	2.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.47
31506-32-8	NMeFOSA	ND		1.9	0.47
4151-50-2	NEtFOSA	ND		1.9	0.47
2355-31-9	NMeFOSAA	ND	UJ	3.7	1.1
2991-50-6	NEtFOSAA	ND	UJ	1.9	0.65
24448-09-7	NMeFOSE	ND	UJ	19	4.7
1691-99-2	NEtFOSE	ND	UJ	19	4.7
13252-13-6	HFPO-DA (GenX)	ND		7.5	1.9
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.5	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-107 | Lab Sample ID: 480-215480-4

Matrix: Water | Lab File ID: 2023.12.28.023.d

Analysis Method: Draft 1633 | Date Collected: 12/06/2023 14:45

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 535.4(mL) | Date Analyzed: 12/28/2023 16:58

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND		3.7	0.93
151772-58-6	NFDHA	ND	UJ	3.7	0.93
377-73-1	PFMPA	ND		3.7	0.47
756426-58-1	9Cl-PF3ONS	ND		7.5	0.93
763051-92-9	11Cl-PF3OUdS	ND		7.5	1.9
113507-82-7	PFEESA	ND		3.7	0.47
356-02-5	3:3 FTCA	ND		9.3	1.4
914637-49-3	5:3 FTCA	ND		47	9.3
812-70-4	7:3 FTCA	ND		47	9.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: 2023.12.28.024.d

Analysis Method: Draft 1633 | Date Collected: 12/06/2023 11:40

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 545.4(mL) | Date Analyzed: 12/28/2023 17:17

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	3.4	J	7.3	1.8
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.3	J	3.7	0.92
307-24-4	Perfluorohexanoic acid (PFHxA)	3.1		1.8	0.46
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.6	J	1.8	0.48
335-67-1	Perfluorooctanoic acid (PFOA)	2.5		1.8	0.59
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.46
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.46
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.46
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.28
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.52
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.37
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.46
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.37
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.83
757124-72-4	4:2 FTS	ND		7.3	1.6
27619-97-2	6:2 FTS	ND		7.3	2.3
39108-34-4	8:2 FTS	ND		7.3	2.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46
31506-32-8	NMeFOSA	ND		1.8	0.46
4151-50-2	NEtFOSA	ND		1.8	0.46
2355-31-9	NMeFOSAA	ND	UJ	3.7	1.1
2991-50-6	NEtFOSAA	ND	UJ	1.8	0.64
24448-09-7	NMeFOSE	ND	UJ	18	4.6
1691-99-2	NEtFOSE	ND	UJ	18	4.6
13252-13-6	HFPO-DA (GenX)	ND		7.3	1.8
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.3	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-108 | Lab Sample ID: 480-215480-5

Matrix: Water | Lab File ID: 2023.12.28.024.d

Analysis Method: Draft 1633 | Date Collected: 12/06/2023 11:40

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 545.4(mL) | Date Analyzed: 12/28/2023 17:17

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND		3.7	0.92
151772-58-6	NFDHA	ND	UJ	3.7	0.92
377-73-1	PFMPA	ND		3.7	0.46
756426-58-1	9Cl-PF3ONS	ND		7.3	0.92
763051-92-9	11Cl-PF3OUdS	ND		7.3	1.8
113507-82-7	PFEESA	ND		3.7	0.46
356-02-5	3:3 FTCA	ND		9.2	1.4
914637-49-3	5:3 FTCA	ND		46	9.2
812-70-4	7:3 FTCA	ND		46	9.2

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: 2023.12.28.025.d

Analysis Method: Draft 1633 | Date Collected: 12/06/2023 10:50

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 550.9(mL) | Date Analyzed: 12/28/2023 17:36

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.8	J	7.3	1.8
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.0	J	3.6	0.91
307-24-4	Perfluorohexanoic acid (PFHxA)	2.4		1.8	0.45
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.51	J	1.8	0.47
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.58
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.45
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.45
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.45
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.45
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.27
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.8		1.8	0.52
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.36
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.45
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.36
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.82
757124-72-4	4:2 FTS	ND		7.3	1.5
27619-97-2	6:2 FTS	ND		7.3	2.3
39108-34-4	8:2 FTS	ND		7.3	2.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45
31506-32-8	NMeFOSA	ND		1.8	0.45
4151-50-2	NEtFOSA	ND		1.8	0.45
2355-31-9	NMeFOSAA	ND	UJ	3.6	1.1
2991-50-6	NEtFOSAA	ND	UJ	1.8	0.64
24448-09-7	NMeFOSE	ND	UJ	18	4.5
1691-99-2	NEtFOSE	ND	UJ	18	4.5
13252-13-6	HFPO-DA (GenX)	ND		7.3	1.8
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.3	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-109 | Lab Sample ID: 480-215480-6

Matrix: Water | Lab File ID: 2023.12.28.025.d

Analysis Method: Draft 1633 | Date Collected: 12/06/2023 10:50

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 550.9(mL) | Date Analyzed: 12/28/2023 17:36

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND		3.6	0.91
151772-58-6	NFDHA	ND	UJ	3.6	0.91
377-73-1	PFMPA	ND		3.6	0.45
756426-58-1	9Cl-PF3ONS	ND		7.3	0.91
763051-92-9	11Cl-PF3OUdS	ND		7.3	1.8
113507-82-7	PFEESA	ND		3.6	0.45
356-02-5	3:3 FTCA	ND		9.1	1.4
914637-49-3	5:3 FTCA	ND		45	9.1
812-70-4	7:3 FTCA	ND		45	9.1

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215480-7

Matrix: Water | Lab File ID: 2023.12.28.026.d

Analysis Method: Draft 1633 | Date Collected: 12/05/2023 14:30

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 535.7(mL) | Date Analyzed: 12/28/2023 17:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	11	~~F1~~ J+	7.5	1.9
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.1		3.7	0.93
307-24-4	Perfluorohexanoic acid (PFHxA)	5.6		1.9	0.47
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.49
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.60
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.47
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.47
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.47
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.47
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.9	0.47
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.47
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.28
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.47
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.53
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.37
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.47
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.37
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.47
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.84
757124-72-4	4:2 FTS	ND		7.5	1.6
27619-97-2	6:2 FTS	ND		7.5	2.3
39108-34-4	8:2 FTS	ND		7.5	2.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.47
31506-32-8	NMeFOSA	ND		1.9	0.47
4151-50-2	NEtFOSA	ND		1.9	0.47
2355-31-9	NMeFOSAA	ND	UJ	3.7	1.1
2991-50-6	NEtFOSAA	ND	UJ	1.9	0.65
24448-09-7	NMeFOSE	ND	UJ	19	4.7
1691-99-2	NEtFOSE	ND	UJ	19	4.7
13252-13-6	HFPO-DA (GenX)	ND		7.5	1.9
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.5	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-MW-110 | Lab Sample ID: 480-215480-7

Matrix: Water | Lab File ID: 2023.12.28.026.d

Analysis Method: Draft 1633 | Date Collected: 12/05/2023 14:30

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 535.7(mL) | Date Analyzed: 12/28/2023 17:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND		3.7	0.93
151772-58-6	NFDHA	ND	UJ	3.7	0.93
377-73-1	PFMPA	ND		3.7	0.47
756426-58-1	9Cl-PF3ONS	ND		7.5	0.93
763051-92-9	11Cl-PF3OUdS	ND		7.5	1.9
113507-82-7	PFEESA	ND		3.7	0.47
356-02-5	3:3 FTCA	ND		9.3	1.4
914637-49-3	5:3 FTCA	ND		47	9.3
812-70-4	7:3 FTCA	ND		47	9.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215480-8

Matrix: Water | Lab File ID: 2023.12.28.031.d

Analysis Method: Draft 1633 | Date Collected: 12/05/2023 12:00

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 532.8(mL) | Date Analyzed: 12/28/2023 19:33

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	11	J+	7.5	1.9
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.1		3.8	0.94
307-24-4	Perfluorohexanoic acid (PFHxA)	5.4		1.9	0.47
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.49
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.60
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.47
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.47
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.47
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.47
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.9	0.47
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.47
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.28
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.47
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.53
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.38
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.47
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.38
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.47
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.84
757124-72-4	4:2 FTS	ND		7.5	1.6
27619-97-2	6:2 FTS	ND		7.5	2.3
39108-34-4	8:2 FTS	ND		7.5	2.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.47
31506-32-8	NMeFOSA	ND		1.9	0.47
4151-50-2	NEtFOSA	ND		1.9	0.47
2355-31-9	NMeFOSAA	ND	UJ	3.8	1.1
2991-50-6	NEtFOSAA	ND	UJ	1.9	0.66
24448-09-7	NMeFOSE	ND	UJ	19	4.7
1691-99-2	NEtFOSE	ND	UJ	19	4.7
13252-13-6	HFPO-DA (GenX)	ND		7.5	1.9
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.5	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215480-1

SDG No.:

Client Sample ID: QNSB-DUP-01 | Lab Sample ID: 480-215480-8

Matrix: Water | Lab File ID: 2023.12.28.031.d

Analysis Method: Draft 1633 | Date Collected: 12/05/2023 12:00

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:57

Sample wt/vol: 532.8(mL) | Date Analyzed: 12/28/2023 19:33

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638624 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND		3.8	0.94
151772-58-6	NFDHA	ND	UJ	3.8	0.94
377-73-1	PFMPA	ND		3.8	0.47
756426-58-1	9Cl-PF3ONS	ND		7.5	0.94
763051-92-9	11Cl-PF3OUdS	ND		7.5	1.9
113507-82-7	PFEESA	ND		3.8	0.47
356-02-5	3:3 FTCA	ND		9.4	1.4
914637-49-3	5:3 FTCA	ND		47	9.4
812-70-4	7:3 FTCA	ND		47	9.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: 2023.12.27.033.d

Analysis Method: Draft 1633 | Date Collected: 12/07/2023 08:30

Extraction Method: 1633 | Date Extracted: 12/22/2023 09:42

Sample wt/vol: 568.8(mL) | Date Analyzed: 12/27/2023 20:02

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638389 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		7.0	1.8
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		3.5	0.88
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.8	0.44
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.46
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.56
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.44
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.44
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.44
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.26
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.50
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.35
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.44
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.35
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.79
757124-72-4	4:2 FTS	ND		7.0	1.5
27619-97-2	6:2 FTS	ND		7.0	2.2
39108-34-4	8:2 FTS	ND		7.0	2.3
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44
31506-32-8	NMeFOSA	ND		1.8	0.44
4151-50-2	NEtFOSA	ND		1.8	0.44
2355-31-9	NMeFOSAA	ND	UJ	3.5	1.1
2991-50-6	NEtFOSAA	ND	~~*f~~ UJ	1.8	0.62
24448-09-7	NMeFOSE	ND	UJ	18	4.4
1691-99-2	NEtFOSE	ND	UJ	18	4.4
13252-13-6	HFPO-DA (GenX)	ND		7.0	1.8

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215528-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-215528-1

Matrix: Water | Lab File ID: 2023.12.27.033.d

Analysis Method: Draft 1633 | Date Collected: 12/07/2023 08:30

Extraction Method: 1633 | Date Extracted: 12/22/2023 09:42

Sample wt/vol: 568.8(mL) | Date Analyzed: 12/27/2023 20:02

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638389 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.0	1.3
863090-89-5	PFMBA	ND		3.5	0.88
151772-58-6	NFDHA	ND	UJ	3.5	0.88
377-73-1	PFMPA	ND		3.5	0.44
756426-58-1	9Cl-PF3ONS	ND		7.0	0.88
763051-92-9	11Cl-PF3OUdS	ND		7.0	1.8
113507-82-7	PFEESA	ND		3.5	0.44
356-02-5	3:3 FTCA	ND		8.8	1.3
914637-49-3	5:3 FTCA	ND		44	8.8
812-70-4	7:3 FTCA	ND		44	8.8

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: 2023.12.27.034.d

Analysis Method: Draft 1633 | Date Collected: 12/07/2023 14:15

Extraction Method: 1633 | Date Extracted: 12/22/2023 09:42

Sample wt/vol: 258.3(mL) | Date Analyzed: 12/27/2023 20:21

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638389 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.1	J	15	3.9
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.3	J	7.7	1.9
307-24-4	Perfluorohexanoic acid (PFHxA)	2.2	J	3.9	0.97
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.3	J	3.9	1.0
335-67-1	Perfluorooctanoic acid (PFOA)	4.4	J	3.9	1.2
375-95-1	Perfluorononanoic acid (PFNA)	ND	UJ	3.9	0.97
335-76-2	Perfluorodecanoic acid (PFDA)	ND	UJ	3.9	0.97
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND	UJ	3.9	0.97
307-55-1	Perfluorododecanoic acid (PFDoA)	ND	UJ	3.9	0.97
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND	UJ	3.9	0.97
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND	UJ	3.9	0.97
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.74	J	3.9	0.58
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND	UJ	3.9	0.97
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND	UJ	3.9	1.1
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND	UJ	3.9	0.77
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.2	J	3.9	0.97
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND	UJ	3.9	0.77
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		3.9	0.97
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		3.9	1.7
757124-72-4	4:2 FTS	ND		15	3.3
27619-97-2	6:2 FTS	ND		15	4.8
39108-34-4	8:2 FTS	ND		15	5.0
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		3.9	0.97
31506-32-8	NMeFOSA	ND		3.9	0.97
4151-50-2	NEtFOSA	ND		3.9	0.97
2355-31-9	NMeFOSAA	ND		7.7	2.3
2991-50-6	NEtFOSAA	ND		3.9	1.4
24448-09-7	NMeFOSE	ND		39	9.7
1691-99-2	NEtFOSE	ND		39	9.7
13252-13-6	HFPO-DA (GenX)	ND		15	3.9

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-101 | Lab Sample ID: 480-215528-2

Matrix: Water | Lab File ID: 2023.12.27.034.d

Analysis Method: Draft 1633 | Date Collected: 12/07/2023 14:15

Extraction Method: 1633 | Date Extracted: 12/22/2023 09:42

Sample wt/vol: 258.3(mL) | Date Analyzed: 12/27/2023 20:21

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638389 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	UJ	15	2.9
863090-89-5	PFMBA	ND		7.7	1.9
151772-58-6	NFDHA	ND		7.7	1.9
377-73-1	PFMPA	ND		7.7	0.97
756426-58-1	9Cl-PF3ONS	ND		15	1.9
763051-92-9	11Cl-PF3OUdS	ND		15	3.9
113507-82-7	PFEESA	ND		7.7	0.97
356-02-5	3:3 FTCA	ND		19	2.9
914637-49-3	5:3 FTCA	ND		97	19
812-70-4	7:3 FTCA	ND		97	19

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: 2023.12.27.035.d

Analysis Method: Draft 1633 | Date Collected: 12/07/2023 11:35

Extraction Method: 1633 | Date Extracted: 12/22/2023 09:42

Sample wt/vol: 563.3(mL) | Date Analyzed: 12/27/2023 20:41

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638389 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.8	J	7.1	1.8
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		3.6	0.89
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.8	0.44
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.46
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.57
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.44
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.44
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.44
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.65	J	1.8	0.27
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.51
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.36
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.44
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.36
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.80
757124-72-4	4:2 FTS	ND		7.1	1.5
27619-97-2	6:2 FTS	ND		7.1	2.2
39108-34-4	8:2 FTS	ND		7.1	2.3
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44
31506-32-8	NMeFOSA	ND		1.8	0.44
4151-50-2	NEtFOSA	ND		1.8	0.44
2355-31-9	NMeFOSAA	ND	UJ	3.6	1.1
2991-50-6	NEtFOSAA	ND	~~+~~ -UJ	1.8	0.62
24448-09-7	NMeFOSE	ND	UJ	18	4.4
1691-99-2	NEtFOSE	ND	UJ	18	4.4
13252-13-6	HFPO-DA (GenX)	ND		7.1	1.8

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-102 | Lab Sample ID: 480-215528-3

Matrix: Water | Lab File ID: 2023.12.27.035.d

Analysis Method: Draft 1633 | Date Collected: 12/07/2023 11:35

Extraction Method: 1633 | Date Extracted: 12/22/2023 09:42

Sample wt/vol: 563.3(mL) | Date Analyzed: 12/27/2023 20:41

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638389 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.1	1.3
863090-89-5	PFMBA	ND		3.6	0.89
151772-58-6	NFDHA	ND	UJ	3.6	0.89
377-73-1	PFMPA	ND		3.6	0.44
756426-58-1	9Cl-PF3ONS	ND		7.1	0.89
763051-92-9	11Cl-PF3OUdS	ND		7.1	1.8
113507-82-7	PFEESA	ND		3.6	0.44
356-02-5	3:3 FTCA	ND		8.9	1.3
914637-49-3	5:3 FTCA	ND		44	8.9
812-70-4	7:3 FTCA	ND		44	8.9

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: 2023.12.27.036.d

Analysis Method: Draft 1633 | Date Collected: 12/07/2023 11:35

Extraction Method: 1633 | Date Extracted: 12/22/2023 09:42

Sample wt/vol: 537.4(mL) | Date Analyzed: 12/27/2023 21:00

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638389 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	7.9		7.4	1.9
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.1	J	3.7	0.93
307-24-4	Perfluorohexanoic acid (PFHxA)	2.6		1.9	0.47
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.8	J	1.9	0.48
335-67-1	Perfluorooctanoic acid (PFOA)	6.4		1.9	0.60
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.47
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.47
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.47
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.47
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.9	0.47
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.47
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.9	0.28
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.47
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.9	0.53
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.37
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.47
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.37
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.47
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.84
757124-72-4	4:2 FTS	ND		7.4	1.6
27619-97-2	6:2 FTS	ND		7.4	2.3
39108-34-4	8:2 FTS	ND		7.4	2.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.47
31506-32-8	NMeFOSA	ND		1.9	0.47
4151-50-2	NEtFOSA	ND		1.9	0.47
2355-31-9	NMeFOSAA	ND	UJ	3.7	1.1
2991-50-6	NEtFOSAA	ND	~~*+~~ UJ	1.9	0.65
24448-09-7	NMeFOSE	ND	UJ	19	4.7
1691-99-2	NEtFOSE	ND	UJ	19	4.7
13252-13-6	HFPO-DA (GenX)	ND		7.4	1.9

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215528-1

SDG No.:

Client Sample ID: QNSB-MW-103 | Lab Sample ID: 480-215528-4

Matrix: Water | Lab File ID: 2023.12.27.036.d

Analysis Method: Draft 1633 | Date Collected: 12/07/2023 11:35

Extraction Method: 1633 | Date Extracted: 12/22/2023 09:42

Sample wt/vol: 537.4(mL) | Date Analyzed: 12/27/2023 21:00

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638389 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.4	1.4
863090-89-5	PFMBA	ND		3.7	0.93
151772-58-6	NFDHA	ND	UJ	3.7	0.93
377-73-1	PFMPA	ND		3.7	0.47
756426-58-1	9Cl-PF3ONS	ND		7.4	0.93
763051-92-9	11Cl-PF3OUdS	ND		7.4	1.9
113507-82-7	PFEESA	ND		3.7	0.47
356-02-5	3:3 FTCA	ND		9.3	1.4
914637-49-3	5:3 FTCA	ND		47	9.3
812-70-4	7:3 FTCA	ND		47	9.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: 2023.12.28.028.d

Analysis Method: Draft 1633 | Date Collected: 12/08/2023 12:05

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:17

Sample wt/vol: 250.9(mL) | Date Analyzed: 12/28/2023 18:26

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638555 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND	UJ	16	4.0
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		8.0	2.0
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		4.0	1.0
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		4.0	1.0
335-67-1	Perfluorooctanoic acid (PFOA)	ND		4.0	1.3
375-95-1	Perfluorononanoic acid (PFNA)	ND		4.0	1.0
335-76-2	Perfluorodecanoic acid (PFDA)	ND		4.0	1.0
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		4.0	1.0
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		4.0	1.0
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		4.0	1.0
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		4.0	1.0
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		4.0	0.60
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		4.0	1.0
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		4.0	1.1
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		4.0	0.80
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		4.0	1.0
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		4.0	0.80
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		4.0	1.0
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		4.0	1.8
757124-72-4	4:2 FTS	ND		16	3.4
27619-97-2	6:2 FTS	ND		16	5.0
39108-34-4	8:2 FTS	ND		16	5.2
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		4.0	1.0
31506-32-8	NMeFOSA	ND		4.0	1.0
4151-50-2	NEtFOSA	ND		4.0	1.0
2355-31-9	NMeFOSAA	ND		8.0	2.4
2991-50-6	NEtFOSAA	ND		4.0	1.4
24448-09-7	NMeFOSE	ND		40	10
1691-99-2	NEtFOSE	ND		40	10
13252-13-6	HFPO-DA (GenX)	ND		16	4.0
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		16	3.0

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-101 | Lab Sample ID: 480-215576-1

Matrix: Water | Lab File ID: 2023.12.28.028.d

Analysis Method: Draft 1633 | Date Collected: 12/08/2023 12:05

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:17

Sample wt/vol: 250.9(mL) | Date Analyzed: 12/28/2023 18:26

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638555 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND	UJ	8.0	2.0
151772-58-6	NFDHA	ND		8.0	2.0
377-73-1	PFMPA	ND		8.0	1.0
756426-58-1	9Cl-PF3ONS	ND		16	2.0
763051-92-9	11Cl-PF3OUdS	ND		16	4.0
113507-82-7	PFEESA	ND		8.0	1.0
356-02-5	3:3 FTCA	ND		20	3.0
914637-49-3	5:3 FTCA	ND		100	20
812-70-4	7:3 FTCA	ND		100	20

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: 2023.12.28.029.d

Analysis Method: Draft 1633 | Date Collected: 12/08/2023 10:15

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:17

Sample wt/vol: 99.4(mL) | Date Analyzed: 12/28/2023 18:46

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638555 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND	UJ	40	10
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		20	5.0
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		10	2.5
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		10	2.6
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10	3.2
375-95-1	Perfluorononanoic acid (PFNA)	ND		10	2.5
335-76-2	Perfluorodecanoic acid (PFDA)	ND		10	2.5
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		10	2.5
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		10	2.5
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		10	2.5
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		10	2.5
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		10	1.5
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		10	2.5
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		10	2.9
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		10	2.0
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10	2.5
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		10	2.0
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		10	2.5
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		10	4.5
757124-72-4	4:2 FTS	ND		40	8.6
27619-97-2	6:2 FTS	ND		40	13
39108-34-4	8:2 FTS	ND		40	13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		10	2.5
31506-32-8	NMeFOSA	ND		10	2.5
4151-50-2	NEtFOSA	ND		10	2.5
2355-31-9	NMeFOSAA	ND		20	6.0
2991-50-6	NEtFOSAA	ND		10	3.5
24448-09-7	NMeFOSE	ND		100	25
1691-99-2	NEtFOSE	ND		100	25
13252-13-6	HFPO-DA (GenX)	ND		40	10
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		40	7.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-BMW-102 | Lab Sample ID: 480-215576-2

Matrix: Water | Lab File ID: 2023.12.28.029.d

Analysis Method: Draft 1633 | Date Collected: 12/08/2023 10:15

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:17

Sample wt/vol: 99.4(mL) | Date Analyzed: 12/28/2023 18:46

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638555 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND	UJ	20	5.0
151772-58-6	NFDHA	ND		20	5.0
377-73-1	PFMPA	ND		20	2.5
756426-58-1	9Cl-PF3ONS	ND		40	5.0
763051-92-9	11Cl-PF3OUdS	ND		40	10
113507-82-7	PFEESA	ND		20	2.5
356-02-5	3:3 FTCA	ND		50	7.5
914637-49-3	5:3 FTCA	ND		250	50
812-70-4	7:3 FTCA	ND		250	50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: 2023.12.28.030.d

Analysis Method: Draft 1633 | Date Collected: 12/08/2023 08:36

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:17

Sample wt/vol: 536.4(mL) | Date Analyzed: 12/28/2023 19:05

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638555 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		7.5	1.9
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		3.7	0.93
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.9	0.47
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.48
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.60
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.47
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.47
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.47
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.47
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.9	0.47
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.47
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.28
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.47
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.53
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.37
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.47
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.37
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.47
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.84
757124-72-4	4:2 FTS	ND		7.5	1.6
27619-97-2	6:2 FTS	ND		7.5	2.3
39108-34-4	8:2 FTS	ND		7.5	2.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.47
31506-32-8	NMeFOSA	ND		1.9	0.47
4151-50-2	NEtFOSA	ND		1.9	0.47
2355-31-9	NMeFOSAA	ND	UJ	3.7	1.1
2991-50-6	NEtFOSAA	ND	UJ	1.9	0.65
24448-09-7	NMeFOSE	ND	UJ	19	4.7
1691-99-2	NEtFOSE	ND	UJ	19	4.7
13252-13-6	HFPO-DA (GenX)	ND		7.5	1.9
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		7.5	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Denver | Job No.: 480-215576-1

SDG No.:

Client Sample ID: QNSB-EB-02 | Lab Sample ID: 480-215576-3

Matrix: Water | Lab File ID: 2023.12.28.030.d

Analysis Method: Draft 1633 | Date Collected: 12/08/2023 08:36

Extraction Method: 1633 | Date Extracted: 12/27/2023 10:17

Sample wt/vol: 536.4(mL) | Date Analyzed: 12/28/2023 19:05

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 6(uL) | GC Column: Gemini C18 3X50 ID: 3(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 638555 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
863090-89-5	PFMBA	ND		3.7	0.93
151772-58-6	NFDHA	ND	UJ	3.7	0.93
377-73-1	PFMPA	ND		3.7	0.47
756426-58-1	9Cl-PF3ONS	ND		7.5	0.93
763051-92-9	11Cl-PF3OUdS	ND		7.5	1.9
113507-82-7	PFEESA	ND		3.7	0.47
356-02-5	3:3 FTCA	ND		9.3	1.4
914637-49-3	5:3 FTCA	ND		47	9.3
812-70-4	7:3 FTCA	ND		47	9.3

QC NONCONFORMANCE DOCUMENTATION

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-215480-7 MS
Matrix: Water
Analysis Batch: 638624

Client Sample ID: QNSB-MW-110
Prep Type: Total/NA
Prep Batch: 638395

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C8 PFOS	97		40 - 130
13C8 FOSA	90		40 - 130
d3-NMeFOSAA	80		40 - 170
d5-NEtFOSAA	73		25 - 135
M2-4:2 FTS	83		40 - 200
M2-6:2 FTS	80		40 - 200
M2-8:2 FTS	95		40 - 300
13C3 HFPO-DA	91		40 - 130
d7-N-MeFOSE-M	82		10 - 130
d9-N-EtFOSE-M	81		10 - 130
d5-NEtPFOSA	74		10 - 130
d3-NMePFOSA	72		10 - 130

Lab Sample ID: 480-215480-7 MSD
Matrix: Water
Analysis Batch: 638624

Client Sample ID: QNSB-MW-110
Prep Type: Total/NA
Prep Batch: 638395

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	11	F1	29.7	57.6	F1	ng/L		156	58 - 148	9	30
Perfluoropentanoic acid (PFPeA)	8.1		29.7	39.3		ng/L		105	54 - 152	6	30
Perfluorohexanoic acid (PFHxA)	5.6		29.7	35.2		ng/L		99	55 - 152	12	30
Perfluoroheptanoic acid (PFHpA)	ND		29.7	34.2		ng/L		115	54 - 154	0	30
Perfluorooctanoic acid (PFOA)	ND		29.7	29.3		ng/L		99	52 - 161	7	30
Perfluorononanoic acid (PFNA)	ND		29.7	36.5		ng/L		123	59 - 149	14	30
Perfluorodecanoic acid (PFDA)	ND		29.7	29.5		ng/L		99	52 - 147	8	30
Perfluoroundecanoic acid (PFUnA)	ND		29.7	36.8		ng/L		124	48 - 159	6	30
Perfluorododecanoic acid (PFDoA)	ND		29.7	33.9		ng/L		114	64 - 142	5	30
Perfluorotridecanoic acid (PFTriA)	ND		29.7	34.3		ng/L		115	49 - 148	7	30
Perfluorotetradecanoic acid (PFTeDA)	ND		29.7	38.1		ng/L		128	47 - 161	7	30
Perfluorobutanesulfonic acid (PFBS)	ND		26.4	34.9		ng/L		132	62 - 144	12	30
Perfluoropentanesulfonic acid (PFPeS)	ND		27.9	30.5		ng/L		110	59 - 151	2	30
Perfluorohexanesulfonic acid (PFHxS)	ND		27.1	30.4		ng/L		112	57 - 146	2	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		28.3	33.7		ng/L		119	55 - 152	10	30
Perfluorooctanesulfonic acid (PFOS)	ND		27.6	32.6		ng/L		118	58 - 149	10	30
Perfluorononanesulfonic acid (PFNS)	ND		28.6	35.9		ng/L		126	52 - 148	11	30
Perfluorodecanesulfonic acid (PFDS)	ND		28.6	30.9		ng/L		108	51 - 147	9	30
Perfluorododecanesulfonic acid (PFDoS)	ND		28.8	26.6		ng/L		92	36 - 145	14	30
4:2 FTS	ND		74.0	89.1		ng/L		120	67 - 146	0	30
6:2 FTS	ND		113	129		ng/L		114	61 - 151	4	30
8:2 FTS	ND		114	135		ng/L		119	63 - 152	11	30

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-638219/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 638389
Prep Batch: 638219

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSAA	3.20	5.19	*+	ng/L		162	51 - 154
NMeFOSE	16.0	17.9	J	ng/L		112	56 - 151
NEtFOSE	32.0	34.4		ng/L		107	60 - 147
HFPO-DA (GenX)	3.20	3.18	J	ng/L		99	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.02	3.09	J	ng/L		102	61 - 148
PFMBA	6.40	8.04		ng/L		126	49 - 154
NFDHA	3.20	3.80	J	ng/L		119	47 - 160
PFMPA	6.40	7.16		ng/L		112	48 - 150
9Cl-PF3ONS	7.96	7.75	J	ng/L		97	44 - 167
11Cl-PF3OUdS	8.04	7.14	J	ng/L		89	36 - 158
PFEESA	5.71	6.19		ng/L		109	56 - 144
3:3 FTCA	16.0	16.4		ng/L		103	32 - 161
5:3 FTCA	32.0	33.2	J	ng/L		104	39 - 156
7:3 FTCA	32.0	29.7	J	ng/L		93	36 - 149

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*80*		*5 - 130*
13C5 PFPeA	*86*		*40 - 130*
13C5 PFHxA	*84*		*40 - 130*
13C4 PFHpA	*83*		*40 - 130*
13C8 PFOA	*79*		*40 - 130*
13C9 PFNA	*77*		*40 - 130*
13C6 PFDA	*79*		*40 - 130*
13C7 PFUnA	*70*		*30 - 130*
13C2 PFDoA	*79*		*10 - 130*
13C2 PFTeDA	*68*		*10 - 130*
13C3 PFBS	*68*		*40 - 135*
13C3 PFHxS	*71*		*40 - 130*
13C8 PFOS	*79*		*40 - 130*
13C8 FOSA	*74*		*40 - 130*
d3-NMeFOSAA	*80*		*40 - 170*
d5-NEtFOSAA	*63*		*25 - 135*
M2-4:2 FTS	*55*		*40 - 200*
M2-6:2 FTS	*62*		*40 - 200*
M2-8:2 FTS	*65*		*40 - 300*
13C3 HFPO-DA	*85*		*40 - 130*
d7-N-MeFOSE-M	*77*		*10 - 130*
d9-N-EtFOSE-M	*73*		*10 - 130*
d5-NEtPFOSA	*61*		*10 - 130*
d3-NMePFOSA	*59*		*10 - 130*

Method 1633: The laboratory control sample (LCS) for preparation batch 280-638219 and analytical batch 280-638389 recovered outside control limits for the following analyte:NEtFOSAA. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 1633: The "I" qualifier means the transition mass ratio for the indicated analytes were outside of the established ratio limits. The qualitative identification of the analytes have some degree of uncertainty. However, analyst judgment was used to positively identify the analyte. The affected samples are QNSB-MW-101 (480-215528-2) and (460-294157-B-7-A) in analytical batch (280-638389).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Methods SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EB-01 (480-215528-1), QNSB-MW-101 (480-215528-2), QNSB-MW-102 (480-215528-3) and QNSB-MW-103 (480-215528-4).

Methods SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EB-01 (480-215528-1), QNSB-MW-101 (480-215528-2), QNSB-MW-102 (480-215528-3) and QNSB-MW-103 (480-215528-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 1633: In preparation batch 280-638219, the following sample was diluted due to the nature of the sample matrix: QNSB-MW-101 (480-215528-2) (2x). Elevated reporting limits (RLs) are provided. Because the samples were extracted at dilutions, the original sample containers could not be rinsed. Method 1633_SPE/1633_B24

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-694839.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-695311.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-695087 recovered above the upper control limit for bis (2-chloroisopropyl) ether, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-butyl phthalate and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: QNSB-EB-02 (480-215576-3).

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-694999 and analytical batch 480-695087 recovered outside control limits for the following analytes: Di-n-octyl phthalate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS
Method 1633_B24: In preparation batch 280-638384, the following samples were diluted due to the nature of the sample matrix: QNSB-BMW-101 (480-215576-1) and QNSB-BMW-102 (480-215576-2) (2x,5x). Elevated reporting limits (RLs) are provided. Because the samples were extracted at dilutions, the original sample containers could not be rinsed. Method 1633_SPE/1633_B24

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010C: The continuing calibration verification (CCV) associated with batch 480-695285 recovered above the upper control limit for total Silver. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 300.0_28D: The following sample was diluted due to the abundance of non-target analytes: QNSB-BMW-102 (480-215576-2). Elevated reporting limits (RLs) are provided.

Method SM4500_H+: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: QNSB-BMW-101 (480-215576-1), QNSB-BMW-102 (480-215576-2) and QNSB-EB-02 (480-215576-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Liquid Scintillation Counter
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-694839.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS
Method 1633_B24: In preparation batch 280-638395, the following sample was diluted due to the nature of the sample matrix: QNSB-MW-105 (480-215480-2) (10x dilution). Elevated reporting limits (RLs) are provided. Because the sample was extracted as a dilution, the original sample container could not be rinsed. Method 1633_SPE/1633_B24.

Method 1633_B24: In preparation batch 280-638395, when samples QNSB-MW-110 (480-215480-7), QNSB-MW-110 (480-215480-7[MSD]) and QNSB-DUP-01 (480-215480-8) were eluted, the resulting elute had a brown color. Method 1633_SPE/1633_B24.

Method 1633_B24: The "I" qualifier means the transition mass ratio for the indicated analytes were outside of the established ratio limits. The qualitative identification of the analytes have some degree of uncertainty. However, analyst judgment was used to positively identify the analyte. The affected samples are QNSB-MW-104 (480-215480-1) and QNSB-MW-106 (480-215480-3) in analytical batch 280-638624.

Method 1633_B24: The matrix spike duplicate (MSD) recoveries for preparation batch 280-638395 and analytical batch 280-638624 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

RAD
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

LCMS
Method 1633: The "I" qualifier means the transition mass ratio for the indicated analytes were outside of the established ratio limits. The qualitative identification of the analytes have some degree of uncertainty. However, analyst judgment was used to positively identify the analyte. The affected samples are QNSB-MW-104 (480-215480-1) and QNSB-MW-106 (480-215480-3) in analytical batch 280-638624.

Method 1633: The matrix spike duplicate (MSD) recoveries for preparation batch 280-638395 and analytical batch 280-638624 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 300.0_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: QNSB-MW-104 (480-215480-1). Elevated reporting limits (RLs) are provided.

Method 300.0_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: QNSB-MW-105 (480-215480-2), QNSB-MW-108 (480-215480-5) and QNSB-MW-109 (480-215480-6). Elevated reporting limits (RLs) are provided.

Method 300.0_28D: The following samples were diluted due to the abundance of non-target analytes: QNSB-MW-106 (480-215480-3) and QNSB-MW-107 (480-215480-4). Elevated reporting limits (RLs) are provided.

Report Date: 28-Dec-2023 13:05:45 Chrom Revision: 2.3 15-Nov-2023 20:54:34
Data File: \\chromfs\Denver\ChromData\LC_LCMS14\20231227-128890.b\2023.12.27.034.d QNSB-MW-101
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 47 13C4 PFOS										
502.80 > 79.90	8.126	8.160	-0.034		939704	2.40	Target=3.63		15945	
502.80 > 98.90	8.126	8.160	-0.034		262745		3.58(1.81-5.44)		8976	
48 PFOS										RM
498.90 > 79.90	7.953	8.160	-0.207	0.979	24039	0.0611	Target=4.41		71.9	RM
498.90 > 98.80	8.126	8.160	-0.034	1.000	3373		7.13(2.21-6.62)		100	M
D 53 13C7 PFUnA										
570.00 > 525.10	8.384	8.418	-0.034	1.061	732667	1.04		82.9	13860	
D 56 13C2 PFDoA										
615.10 > 570.00	8.874	8.907	-0.033	1.123	725918	0.9156		73.2	13859	
D 50 13C8 FOSA										
506.10 > 77.80	8.928	8.942	-0.014	1.099	1261917	1.90		76.0	13936	
51 PFOSA										M
498.10 > 77.90	8.928	8.942	-0.014	1.000	15515	0.0297	Target=37.41		179	M
D 69 13C2 PFTeDA										
715.20 > 670.00	9.840	9.890	-0.050	1.245	374567	0.9627		77.0	8371	
D 59 d7-N-Me-FOSE										M
623.20 > 58.90	9.999	10.014	-0.015	1.230	7053709	19.0		76.0	13800	M
D 62 d3-NMePFOSA										
515.00 > 219.00	10.208	10.204	0.004	1.256	214189	1.51		60.3	5444	
D 64 d9-N-EtFOSE										M
639.20 > 58.90	10.390	10.404	-0.014	1.279	8098231	18.7		75.0	12388	M
D 67 d5-NEtPFOSA										
531.10 > 219.00	10.572	10.586	-0.014	1.301	224659	1.59		63.5	5969	

QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Review Flags
M - Manually Integrated

Report Date: 29-Dec-2023 11:49:31 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Denver
Target Compound Quantitation Report

Data File: \\chromfs\Denver\ChromData\LC_LCMS11\20231228-128966.b\2023.12.28.020.d
Lims ID: 480-215480-S-1-A
Client ID: QNSB-MW-104
Sample Type: Client
Inject. Date: 28-Dec-2023 15:59:41 ALS Bottle#: 10 Worklist Smp#: 11
Injection Vol: 6.0 ul Dil. Factor: 1.0000
Sample Info: 480-215480-S-1-A
Misc. Info.: Plate: 1 Rack: 1
Operator ID: B5QN Instrument ID: LC_LCMS11

Method: \\chromfs\Denver\ChromData\LC_LCMS11\20231228-128966.b\PFC_IDA_DEN11.m
Limit Group: LC - 1633_DOD5
Last Update: 29-Dec-2023 11:49:24 Calib Date: 19-Dec-2023 16:18:41
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Denver\ChromData\LC_LCMS11\20231219-128736.b\2023.12.19.018.d

Column 1 : Gemini C18 3um 3mm X 50mm (3.00 mm) Det: EXP1
Process Host: CTX1675

First Level Reviewer: B5QN Date: 29-Dec-2023 11:49:30
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	3.062	3.093	-0.031	0.995	3483173	8.74		87.4	16929	
* 1 13C3PFBA										
216.00 > 172.00	3.078	3.108	-0.030		1966738	5.00			5308	
2 PFBA										M
212.80 > 168.90	3.078	3.108	-0.030	1.005	98861	0.3199			32.5	M
D 7 13C5 PFPeA										
268.30 > 223.00	4.496	4.541	-0.045	0.831	1020014	4.04		80.8	8587	
6 PFPA (PFPeA)										R
263.00 > 219.00	4.511	4.541	-0.030	1.003	117384	0.2784	Target=200.89		28.7	R
263.00 > 68.90	4.496	4.541	-0.045	1.000	1376		85.31(100.45-301.34)		11.2	
D 9 13C2-4:2FTS										
329.10 > 80.90	5.154	5.175	-0.021	0.743	237055	4.58	Target=4.34	98.2	915	
329.10 > 309.00	5.154	5.175	-0.021	0.743	49296		4.81(2.17-6.51)	98.2	1496	
15 PFBS										
298.70 > 79.90	5.394	5.431	-0.037	1.000	11437	0.0710	Target=2.16		75.7	
298.70 > 98.80	5.376	5.431	-0.055	0.997	3715		3.08(1.08-3.24)		93.2	
D 16 13C3 PFBS										
302.10 > 79.90	5.394	5.431	-0.037	0.778	449604	1.94	Target=4.54	83.3	3611	
302.10 > 98.90	5.376	5.431	-0.055	0.776	101580		4.43(2.27-6.81)	83.3	2957	
* 14 13C2 PFHxA										
315.10 > 270.00	5.413	5.431	-0.018		1408427	2.50	Target=76.11		18501	
315.10 > 119.40	5.394	5.431	-0.037		18589		75.77(38.06-114.17)		60.8	
D 12 13C5 PFHxA										
318.00 > 273.00	5.394	5.449	-0.055	0.997	1360071	2.15	Target=47.70	86.0	19628	
318.00 > 120.30	5.394	5.449	-0.055	0.997	27335		49.76(23.85-71.55)	86.0	609	

Report Date: 29-Dec-2023 11:53:44 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Denver
Target Compound Quantitation Report

Data File: \\chromfs\Denver\ChromData\LC_LCMS11\20231228-128966.b\2023.12.28.022.d
Lims ID: 480-215480-S-3-A
Client ID: QNSB-MW-106
Sample Type: Client
Inject. Date: 28-Dec-2023 16:38:32 ALS Bottle#: 12 Worklist Smp#: 13
Injection Vol: 6.0 ul Dil. Factor: 1.0000
Sample Info: 480-215480-S-3-A
Misc. Info.: Plate: 1 Rack: 1
Operator ID: B5QN Instrument ID: LC_LCMS11

Method: \\chromfs\Denver\ChromData\LC_LCMS11\20231228-128966.b\PFC_IDA_DEN11.m
Limit Group: LC - 1633_DOD5
Last Update: 29-Dec-2023 11:53:43 Calib Date: 19-Dec-2023 16:18:41
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Denver\ChromData\LC_LCMS11\20231219-128736.b\2023.12.19.018.d

Column 1 : Gemini C18 3um 3mm X 50mm (3.00 mm) Det: EXP1
Process Host: CTX1675

First Level Reviewer: B5QN Date: 29-Dec-2023 11:51:52
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	3.063	3.093	-0.030	0.995	3450537	8.63		86.3	16678	
* 1 13C3PFBA										
216.00 > 172.00	3.078	3.108	-0.030		1972443	5.00			4702	
2 PFBA										M
212.80 > 168.90	3.078	3.108	-0.030	1.005	186738	0.6100			113	M
D 7 13C5 PFPeA										
268.30 > 223.00	4.511	4.541	-0.030	0.836	994532	3.69		73.8	9321	
6 PFPA (PFPeA)										RM
263.00 > 219.00	4.511	4.541	-0.030	1.000	108676	0.2643	Target=200.89		43.7	R
263.00 > 68.90	4.496	4.541	-0.045	0.997	312		348.32(100.45-301.34)		4.3	M
D 9 13C2-4:2FTS										
329.10 > 80.90	5.135	5.175	-0.040	0.741	264359	4.64	Target=4.34	99.4	948	
329.10 > 309.00	5.155	5.175	-0.020	0.743	57545		4.59(2.17-6.51)	99.4	1078	
15 PFBS										
298.70 > 79.90	5.395	5.431	-0.036	1.000	19096	0.1148	Target=2.16		180	
298.70 > 98.80	5.395	5.431	-0.036	1.000	6894		2.77(1.08-3.24)		129	
D 16 13C3 PFBS										
302.10 > 79.90	5.395	5.431	-0.036	0.778	463992	1.81	Target=4.54	78.1	4342	
302.10 > 98.90	5.395	5.431	-0.036	0.778	101241		4.58(2.27-6.81)	78.1	2894	
* 14 13C2 PFHxA										
315.10 > 270.00	5.395	5.431	-0.036		1503097	2.50	Target=76.11		23313	
315.10 > 119.40	5.395	5.431	-0.036		17960		83.69(38.06-114.17)		256	
D 12 13C5 PFHxA										
318.00 > 273.00	5.395	5.449	-0.054	1.000	1368669	2.03	Target=47.70	81.1	21240	
318.00 > 120.30	5.395	5.449	-0.054	1.000	26863		50.95(23.85-71.55)	81.1	486	

Data Usability Summary Report

Site: Queensbury Landfill
Laboratory: Eurofins - Amherst, NY and Pittsburgh, PA
SDG Nos.: 480-220903-1, 480-220971-1, 480-221459-1
Parameter: 1,4-Dioxane
Data Reviewer: David DiGena-Segal/TRC
Peer Reviewer: Elizabeth Denly /TRC
Date: September 20, 2024

Samples Reviewed and Evaluation Summary

SDG 480-220903-1:

1 Soil Sample: MW-112S (12-13')

SDG 480-220971-1:

3 Equipment Blanks: EB-01, EB-02, EB-03

SDG 480-221459-1:

8 Groundwater Samples: QNSB-MW-105S, QNSB-MW-106S, QNSB-MW-108S, QNSB-MW-109S, QNSB-MW-110S, QNSB-MW-111S, QNSB-MW-112S, DUP-01*

*Field duplicate of QNSB-MW-109S

The above-listed samples were collected on June 17, 18, 21, 25 and July 9-11, 2024. The soil sample was analyzed for 1,4-dioxane by SW-846 Method 8270E and the equipment blanks and groundwater samples were analyzed for 1,4-dioxane by SW-846 method 8270D using selective ion monitoring (SIM)/isotope dilution.

The data validation was performed in accordance with the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA-540-R-20-005), November 2020, modified for the methodologies utilized.

The data were evaluated based on the following parameters:

*	•	Overall Evaluation of Data and Potential Usability Issues
	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
*	•	Initial and Continuing Calibrations
*	•	Blanks
*	•	Surrogate Recoveries
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	Laboratory Duplicate Results
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	•	Field Duplicate Results
*	•	Percent Solids Results

* • Internal Standard Performance
* • Sample Results and Reported Quantitation Limits (QLs)
* • Target Compound Identification

* - All criteria were met.
NA - A laboratory duplicate analysis was not performed on a sample in this data set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualification of the data as a result of sampling and analytical error was not required.

Data Completeness

The data packages were complete Level IV data deliverable packages with the following exception.

- In SDG 480-221459-1, the chain-of-custody (COC) was missing initially for samples QNSB-MW-109S and DUP-01 for 1,4-dioxane analyses but was later received by the laboratory.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All percent relative standard deviations and relative response factors (RRFs) were within the method acceptance criteria in the initial calibrations associated with the samples in this data set. All RRFs and percent differences were within the acceptance criteria in the continuing calibration standards associated with the samples in this data set.

Blanks

Target analytes were not detected in the laboratory method blanks or equipment blanks associated with the samples in this data set.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample QNSB-MW-109S. The MS/MSD percent recoveries (%Rs) and relative percent differences (RPDs) met the laboratory acceptance criteria.

Laboratory Duplicate Results

A laboratory duplicate analysis was not performed on a sample in this data set.

LCS/LCSD Results

The LCS and LCSD %Rs and/or RPDs, as applicable, were within the laboratory acceptance criteria.

Field Duplicate Results

Samples QNSB-MW-109S and DUP-01 were submitted as the field duplicate pair with this data set. 1,4-Dioxane was not detected in the field duplicate pair; therefore, these results were in acceptable agreement and no detailed evaluation was required.

Percent Solids Results

All criteria were met.

Internal Standard Performance

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

No dilutions were performed for this sample set.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 480-220903-1

SDG No.:

Client Sample ID: MW-112S (12-13') | Lab Sample ID: 480-220903-1

Matrix: Solid | Lab File ID: D0626022.D

Analysis Method: EPA 8270E LL | Date Collected: 06/17/2024 12:30

Extract. Method: 3541 | Date Extracted: 06/24/2024 12:26

Sample wt/vol: 15.4(g) | Date Analyzed: 06/26/2024 20:14

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: Rxi-5SilMS ID: 0.32(mm)

% Moisture: 9.3 % Solids: 90.7 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 472539 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	72	U	72	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		35-105
367-12-4	2-Fluorophenol (Surr)	69		32-105
118-79-6	2,4,6-Tribromophenol (Surr)	58		20-119
4165-60-0	Nitrobenzene-d5 (Surr)	73		34-109
4165-62-2	Phenol-d5 (Surr)	77		34-105
1718-51-0	Terphenyl-d14 (Surr)	65		20-117

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-220971-1

Matrix: Water | Lab File ID: U0000040093.d

Analysis Method: 8270D SIM ID | Date Collected: 06/18/2024 12:10

Extract. Method: 3510C | Date Extracted: 06/20/2024 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 06/21/2024 17:47

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 716367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	26		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-02 | Lab Sample ID: 480-221095-1

Matrix: Water | Lab File ID: U0000040157.d

Analysis Method: 8270D SIM ID | Date Collected: 06/21/2024 07:15

Extract. Method: 3510C | Date Extracted: 06/25/2024 13:31

Sample wt/vol: 250(mL) | Date Analyzed: 06/26/2024 18:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 716809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	40		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-03 | Lab Sample ID: 480-221179-1

Matrix: Water | Lab File ID: U0000040202.d

Analysis Method: 8270D SIM ID | Date Collected: 06/25/2024 09:00

Extract. Method: 3510C | Date Extracted: 06/27/2024 16:26

Sample wt/vol: 250(mL) | Date Analyzed: 06/28/2024 14:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 717083 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	31		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-110S | Lab Sample ID: 480-221521-1

Matrix: Water | Lab File ID: U0000040298.d

Analysis Method: 8270D SIM ID | Date Collected: 07/10/2024 08:45

Extract. Method: 3510C | Date Extracted: 07/11/2024 16:57

Sample wt/vol: 240(mL) | Date Analyzed: 07/12/2024 19:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 718268 | Units: ug/L

Preparation Batch No.: 718225 | Instrument ID: Agilent 6890N GC w/ 5973N MS

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.21	U	0.21	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	28		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-106S | Lab Sample ID: 480-221521-2

Matrix: Water | Lab File ID: U0000040299.d

Analysis Method: 8270D SIM ID | Date Collected: 07/10/2024 09:00

Extract. Method: 3510C | Date Extracted: 07/11/2024 16:57

Sample wt/vol: 250(mL) | Date Analyzed: 07/12/2024 19:59

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 718268 | Units: ug/L

Preparation Batch No.: 718225 | Instrument ID: Agilent 6890N GC w/ 5973N MS

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	31		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-105S | Lab Sample ID: 480-221521-3

Matrix: Water | Lab File ID: U0000040304.d

Analysis Method: 8270D SIM ID | Date Collected: 07/10/2024 12:00

Extract. Method: 3510C | Date Extracted: 07/11/2024 16:57

Sample wt/vol: 230(mL) | Date Analyzed: 07/12/2024 22:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 718269 | Units: ug/L

Preparation Batch No.: 718225 | Instrument ID: Agilent 6890N GC w/ 5973N MS

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.33		0.22	0.11

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	32		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-111S | Lab Sample ID: 480-221521-4

Matrix: Water | Lab File ID: U0000040305.d

Analysis Method: 8270D SIM ID | Date Collected: 07/10/2024 10:55

Extract. Method: 3510C | Date Extracted: 07/11/2024 16:57

Sample wt/vol: 250(mL) | Date Analyzed: 07/12/2024 22:22

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 718269 | Units: ug/L

Preparation Batch No.: 718225 | Instrument ID: Agilent 6890N GC w/ 5973N MS

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	28		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-112S | Lab Sample ID: 480-221521-5

Matrix: Water | Lab File ID: U0000040306.d

Analysis Method: 8270D SIM ID | Date Collected: 07/10/2024 12:50

Extract. Method: 3510C | Date Extracted: 07/11/2024 16:57

Sample wt/vol: 250(mL) | Date Analyzed: 07/12/2024 22:44

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 718269 | Units: ug/L

Preparation Batch No.: 718225 | Instrument ID: Agilent 6890N GC w/ 5973N MS

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	32		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-109S | Lab Sample ID: 480-221534-1

Matrix: Water | Lab File ID: U0000040350.d

Analysis Method: 8270D SIM ID | Date Collected: 07/09/2024 14:30

Extract. Method: 3510C | Date Extracted: 07/12/2024 07:33

Sample wt/vol: 250(mL) | Date Analyzed: 07/15/2024 22:49

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 718420 | Units: ug/L

Preparation Batch No.: 718250 | Instrument ID: Agilent 6890N GC w/ 5973N MS

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	25		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: DUP-01 | Lab Sample ID: 480-221534-2

Matrix: Water | Lab File ID: U0000040351.d

Analysis Method: 8270D SIM ID | Date Collected: 07/09/2024 00:00

Extract. Method: 3510C | Date Extracted: 07/12/2024 07:33

Sample wt/vol: 250(mL) | Date Analyzed: 07/15/2024 23:10

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 718420 | Units: ug/L

Preparation Batch No.: 718250 | Instrument ID: Agilent 6890N GC w/ 5973N MS

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	51		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-108S | Lab Sample ID: 480-221590-1

Matrix: Water | Lab File ID: U0000040376.d

Analysis Method: 8270D SIM ID | Date Collected: 07/11/2024 10:35

Extract. Method: 3510C | Date Extracted: 07/16/2024 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 07/17/2024 16:12

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS(0.5 ID: 0.25(mm)

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 718706 | Units: ug/L

Preparation Batch No.: 718526 | Instrument ID: Agilent 6890N GC w/ 5973N MS

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	33		15-110

QC NONCONFORMANCE DOCUMENTATION

Not Applicable

Data Usability Summary Report

Site: Queensbury Landfill Site No. 557005
Laboratory: Eurofins - Cleveland, Barberton, OH
SDGs: 480-220903-1, 480-220971-1, 480-221459-1
Parameter: Per- and Polyfluoroalkyl substances (PFAS)
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: October 1, 2024

Samples Reviewed and Evaluation Summary

SDG 480-220903-1

1 Soil Sample: MW-112S (12-13')

SDG 480-220971-1

3 Equipment Blank Samples: EB-01, EB-02, EB-03

SDG 480-221459-1

8 Groundwater Samples: QNSB-MW-105S, QNSB-MW-106S, QNSB-MW-108S, QNSB-MW-109S, QNSB-MW-110S, QNSB-MW-111S, QNSB-MW-112S, DUP-01[1]

[1]Field duplicate of sample QNSB-MW-109S

The above-listed samples were collected on June 17, 18, 21, and 25, and July 9, 10, and 11, 2024 and were analyzed for PFAS (40 target analytes) based on Draft EPA Method 1633 and the laboratory's standard operating procedure.

The data validation was performed in accordance with the following guidance, modified for the methodology utilized and professional judgement:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005), November 2020
- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (EPA-542-R-20-007), November 2020
- New York State Department of Environmental Conservation Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids, April 2023

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Mass Calibration
- Initial and Continuing Calibrations
- Blanks
* • Extraction Internal Standard (EIS) Results

- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- On Going Precision and Recovery (OPR) Standard Results
- Non-Extracted Internal Standard (NIS) Results
- Laboratory Duplicate Results
* • Field Duplicate Results
* • Percent Solids
- Sample Results and Reported Quantitation Limits (QLs)
- Target Compound Identification

* - All criteria were met.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. There were no qualifications applied to the data because of sampling error. Qualifications applied to the data because of analytical error are discussed below.

- Potential uncertainty exists for select PFAS results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect result for NFDHA in soil sample MW-112S (12-13'), and the nondetect results for NMeFOSE, NEtFOSE, NMeFOSAA, and NEtFOSAA in equipment blank sample EB-02 were qualified as estimated (UJ) with a potential low bias due to holding time exceedances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for PFOS was qualified as estimated (J) in soil sample MW-112S (12-13') due to blank contamination and laboratory duplicate variability. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- The positive results for PFOA in groundwater samples QNSB-MW-110S and DUP-01 were qualified as nondetects (U) at the QL due to calibration blank contamination. These results can be used for project objectives as nondetects, which may have a minor impact on the data usability.

- The positive results for PFOA in groundwater samples QNSB-MW-105S and QNSB-MW-106S were qualified as estimated (J) due to subsampling and calibration blank contamination. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for NFDHA in soil sample MW-112S (12-13'), 3:3 FTCA in groundwater samples QNSB-MW-105S, QNSB-MW-106S, QNSB-MW-109S, QNSB-MW-110S, QNSB-MW-111S, QNSB-MW-112S, and DUP-01, and PFTrDA in groundwater sample QNSB-MW-108S were qualified as estimated (UJ) due to calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for all PFAS in groundwater samples QNSB-MW-105S and QNSB-MW-106S were qualified as estimated (J/UJ) due to subsampling. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for PFOS in groundwater sample QNSB-MW-106S and the positive result for PFOA in groundwater sample QNSB-MW-108S were qualified as estimated (J) due to the ion transition ratios being outside of the acceptance limits. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data packages were complete Category B data deliverables, with minor deviations as noted throughout this report, and with the following exceptions.

- In SDGs 480-220971-1 and 480-221459-1, the subcontracted chains-of-custody (COCs) and Login Sample Receipt Checklist were missing and/or incomplete for login numbers 221095 (EB-02) and 221561 (all samples in SDG 480-221459-1). The laboratory was contacted about this issue during validation and provided supplemental information to address these issues.
- In SDGs 480-220903-1 and 480-220971-1, the NIS summaries were either incomplete or not provided in the Category B deliverables. However, since the EISs for all samples in this data set were within the acceptance limits, the laboratory was not contacted to correct this issue.
- In all SDGs, the confirmation ion was not integrated for PFNS in one or more of the Level 5 standards of the initial calibrations (ICs). The laboratory was not contacted about this issue since PFNA was not detected in the samples in this data set.
- The laboratory analyzed but did not report raw data associated with the bile salts standards analyzed after select ICs. However, since bile salts standard raw data were provided on each date of sample analysis, the laboratory was not contacted to correct this issue.

It should be noted that the laboratory did not perform total suspended solids (TSS) analysis of aqueous samples. Instead, the laboratory used a visual comparison to determine if samples had elevated TSS or not.

Holding Times and Sample Preservation

The cooler temperatures upon arrival at the laboratory were <6°C. Samples were stored by the laboratory at 0-6°C.

Aqueous samples were extracted 3-11 days after collection and soil sample MW-112S (12-13') was extracted three days after collection. All sample analyses were performed 0-3 days after extraction. Based on professional judgment, specific cautions in the EPA method, and clarifications on the EPA method, sample results were qualified as follows on this basis:

- The nondetect result for NFDHA in soil sample MW-112S (12-13') was qualified as estimated (UJ) with a potential low bias since extraction was performed >48 hours after collection.

- Nondetect results for NMeFOSE, NEtFOSE, NMeFOSAA, and NEtFOSAA in equipment blank sample EB-02 were qualified as estimated (UJ) with a potential low bias since extraction was performed >7 days after collection.

Mass Calibration

The mass calibration data were not provided by the laboratory. According to the laboratory's SOP, mass calibration and verification are routinely performed. No issues related to mass calibration were noted in the case narrative. The laboratory was not contacted about this issue and no validation actions were taken on this basis.

Initial and Continuing Calibrations

All percent relative standard deviations and relative standard error in the ICs were within the method acceptance criteria. Target analytes were within 70-130% of their true value for each IC standard per the laboratory's SOP and EPA method 1633.

All percent differences (%Ds) for target analytes were within the acceptance criteria (30%) in the continuing calibration (CC) standards associated with the samples in this data set with the following exceptions.

- The %D for NFDHA (31.4%) was above the acceptance limit (30%) in one of the CC standards (CCV 240-617461/16) associated with soil sample MW-112S (12-13'). Therefore, the nondetect result for NFDHA in soil sample MW-112S (12-13') was qualified as estimated (UJ).

- The %D for PFDoS (-39.7%) was above the acceptance limit (30%) in one of the CC standards (CCV 240-617388/41) associated with the original analysis of sample EB-01. No validation actions were required on this basis since PFDoS was not reported from the original analysis of sample EB-01.

- The %Ds for 3:3 FTCA were above the acceptance limit (30%) in several of the CC standards, CCV 240-619959/2 (88.8%), CCV 240-619959/3 (89.3%), CCV 240-619959/16 (87.8%), CCV 240-619959/28 (91.9%), and CCV 240-619959/33 (98.8%), associated with groundwater samples QNSB-MW-105S, QNSB-MW-106S, QNSB-MW-109S, QNSB-MW-110S, QNSB-MW-111S, QNSB-MW-112S, and DUP-01. Therefore, the nondetect results for 3:3 FTCA in sample groundwater samples QNSB-MW-105S, QNSB-MW-106S, QNSB-MW-109S, QNSB-MW-110S, QNSB-MW-111S, QNSB-MW-112S, and DUP-01 were qualified as estimated (UJ).

- The %D for PFTrDA (68.2%) was above the acceptance limit (30%) in one of the CC standards (CCV 240-620319/22) associated with groundwater sample QNSB-MW-108S. Therefore, the nondetect result for PFTrDA in groundwater sample QNSB-MW-108S was qualified as estimated (UJ).

- Select isotopically labeled EISs were not within the acceptance criteria; however, no validation actions were taken on this basis and the EIS values outside of the acceptance limits are not summarized in the report since the target analytes were within the method acceptance criteria in the CC standards or otherwise discussed.

The initial and continuing calibration standards contained linear and branched isomers for PFOA, PFNA, PFOS, PFHxS, NMeFOSAA, NEtFOSAA, PFOSA, NMeFOSE, NMeFOSA, NEtFOSE, and NEtFOSA as per the method.

The laboratory calculated the response factor for PFTrDA using the isotopically labeled standard 13C2-PFTeDA. According to the method and the laboratory's SOP, the average of the area counts for the isotopically labeled standards 13C2-PFDoA and 13C2-PFTeDA should be used. There was no significant impact to the quality of sample data as PFTrDA was not detected in the samples in this data set. No validation actions were required on this basis.

Blanks

Target PFAS compounds were not detected in the method blanks or equipment blank EB-01.

The table below summarizes the target PFAS that were detected in the remaining equipment blanks and one of the CCBs, the associated samples, and the validation actions.

Blank ID	Compound	Concentration (units)	Validation Actions
CCB 240-617461/17	PFOS	0.0663 J ng/mL	The positive result for PFOS in soil sample MW-112S (12-13') was qualified as estimated (J) since the result was <5x the blank concentration; high bias was not applied since this result was also qualified as estimated due to laboratory duplicate variability.
EB-03		1.2 J ng/L	
EB-02	PFHxA	0.46 J ng/L	No validation actions were required on this basis since PFHxA and NEtFOSA were not detected in soil sample MW-112S (12-13').
EB-03	PFHxA	0.44 J ng/L	
	NEtFOSA	0.43 J ng/L	
Associated sample: MW-112S (12-13')			
CCB 240-619959/17	PFHxS	0.00204 J ng/mL	No validation actions were required on this basis since PFHxS was either not detected or detected at concentrations >5x the blank concentration in the associated samples.
Associated samples: QNSB-MW-105S, QNSB-MW-106S, QNSB-MW-109S, QNSB-MW-110S, QNSB-MW-111S, QNSB-MW-112S			
CCB 240-619959/29	PFOA	0.0151 J ng/mL	The positive results for PFOA in groundwater samples QNSB-MW-110S and DUP-01 were qualified as nondetects (U) at the QL since the results were < the QL. The positive results for PFOA in groundwater samples QNSB-MW-105S and QNSB-MW-106S would have been qualified as estimated (J+) with a potential high bias since the results were > the QL and <5x the blank concentration; however these results were also qualified as estimated (J) due to subsampling. Thus, the overall qualification was J. No validation actions were required on this basis for the remaining associated samples since PFOA was not detected in these samples.
Associated samples: QNSB-MW-105S, QNSB-MW-106S, QNSB-MW-109S, QNSB-MW-110S, QNSB-MW-111S, QNSB-MW-112S, DUP-01			

Initial calibration blanks (ICBs) were not reviewed since the ICBs did not bracket any samples analyses.

EIS Results

Twenty-four (24) isotopically labeled EISs were spiked into the samples prior to extraction. The

percent recoveries (%Rs) were within the acceptance limits in the field samples.

It should be noted that the laboratory used different acceptance limits than those provided in EPA method 1633. Only the laboratory acceptance limits were used in evaluation of the EIS %Rs.

MS/MSD Results

MS/MSD analyses were performed on groundwater sample QNSB-MW-109S. The %Rs and relative percent differences (RPDs) were within the laboratory acceptance limits with the following exceptions. The %Rs of 3:3 FTCA in the MS (184%) and MSD (184%) were above of the laboratory acceptance limits (62-129%). No validation actions were required on this basis since 3:3 FTCA was not detected in the parent sample.

OPR Standard Results

The laboratory analyzed a low-level and mid-level OPR with each extraction batch. The %Rs were within the laboratory acceptance limits with the following exception. In SDG 480-221459-1, the %Rs for 3:3 FTCA were above the laboratory acceptance limit (LCS: 62-129%; LLCS: 32-161%) in the mid-level OPR (LCS 240-619880/3-A; 179%) and low-level OPR (LLCS 240-619880/2-A; 170%) associated with groundwater samples QNSB-MW-105S, QNSB-MW-106S, QNSB-MW-109S, QNSB-MW-110S, QNSB-MW-111S, QNSB-MW-112S, and DUP-01 in preparation batch 619880. No validation actions were required on this basis since 3:3 FTCA was not detected in the associated samples.

It should be noted that the laboratory used different acceptance limits than those provided in EPA method 1633. Only the laboratory acceptance limits were used in the evaluation of the OPR %Rs.

NIS Results

Seven isotopically labeled NIS were spiked into the samples prior to analysis according to the raw data; only select NIS results were summarized on a Form. For the NIS results that were summarized on a Form, NIS results were within the laboratory's acceptance limits (30-200% of the average area from the initial calibration). No validation actions would have been required on the basis of any NIS nonconformances since all EISs were within the acceptance limits for the field samples. Therefore, the laboratory was not contacted about the missing NIS results on these forms.

It should be noted that the laboratory used different acceptance limits than those provided in EPA method 1633. Only the laboratory acceptance limits were used in the evaluation of the NISs.

Laboratory Duplicate Results

Laboratory duplicate analysis was performed on soil sample MW-112S (12-13'). The RPDs for PFHxS (79%) and PFOS (128%) were outside of the laboratory acceptance limit (30%). No validation actions were required for PFHxS on this basis since the results for PFHxS were <5x the QL in the sample and its duplicate. Since the result for PFOS was >5x the QL in the parent sample, MW-112S (12-13'), and the absolute difference was > 2x the QL, the positive result for PFOS was qualified as estimated (J) in soil sample MW-112S (12-13').

Field Duplicate Results

Samples QNSB-MW-109S and DUP-01 were submitted as the field duplicate pair with this sample set. The RPD acceptance limit for field duplicates is ≤30%. Based on professional judgement, the RPD is not applicable for comparison of results <5x the QL; when one or both results are <5x the QL, the comparison is instead based on the absolute difference (AbsD) between the results, which must be ≤QL. The following table summarizes the detected results (after validation) and the AbsDs for the detected analytes; all criteria were met.

Compound	QNSB-MW-109S		DUP-01		AbsD (ng/L)	Validation Actions
	QL (ng/L)	Concentration (ng/L)	QL (ng/L)	Concentration (ng/L)		
PFBA	5.8	1.6 J	6.4	6.4 U	4.8	None; all criteria were met.
PFPeA	2.9	1.1 J	3.2	1.1 J	0	
PFHxA	1.5	0.95 J	1.6	0.78 J	0.17	
PFBS	1.5	0.36 J	1.6	0.41 J	0.05	

Percent Solids

All criteria were met for soil sample MW-112S (12-13').

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

Select PFAS results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

No analytical dilutions were performed on the samples in this data set.

Samples QNSB-MW-105S (56.3 mL) and QNSB-MW-106S (53.9 mL) were extracted at reduced volumes (i.e., subsampled for extraction) due to high TSS content based on visual observation; this reason was not included in the Category B deliverable but was stated by the laboratory during validation. Therefore, the positive and nondetect results for all PFAS in these two groundwater samples (QNSB-MW-105S and QNSB-MW-106S) were qualified as estimated (J/UJ) due to subsampling.

The remaining equipment blank and groundwater samples in this data set were extracted using approximately 150 mL (i.e., the entire volume submitted).

Target Compound Identification

Extracted ion chromatograms were reviewed to verify the target compound identifications. The laboratory manually integrated several peaks to ensure the inclusion of linear and branched isomers for PFOA, PFNA, PFOS, PFOSA, NEtFOSAA, NMeFOSAA, NMeFOSA, NEtFOSA, NMeFOSE, NEtFOSE, and/or PFHxS and/or to ensure proper integration.

The laboratory analyzed a separate bile salt interference check standard ("WDM") on each day of analysis to demonstrate taurodeoxycholic acid (TDCA), a potential interferent, did not co-elute with any of the target PFAS and that there was a minimum one-minute separation between PFOS and TDCA. No issues were noted with the reported bile salt interference check standards.

No issues were noted by the laboratory with signal to noise ratios or retention times. The laboratory utilized the precursor/product ion transitions for identification confirmation for all reported PFAS except PFBA, PFPeA, NMeFOSE, NEtFOSE, PFMPA, and PFMBA, as per the method requirements. Ion ratios for detected PFAS were within the laboratory's acceptance ranges (50-150% of the ion ratio from the midpoint IC standard) for the samples in this data set with the following exceptions.

Sample ID	Compound	Ratio	Target Ratio (QC Limits)	Validation Actions*
QNSB-MW-106S	PFOS	7.98	4.89 (2.45-7.34)	The positive result for PFOS in sample QNSB-MW-106S was qualified as estimated (J).
DUP-01	PFOA	3.58	2.32 (1.16-3.48)	The positive result for PFOA in sample DUP-01 was subsequently qualified as a nondetect (U) at the QL due to blank contamination; no further qualification was required on this basis.
QNSB-MW-108S		3.71	2.14 (1.07-3.20)	The positive result for PFOA in sample QNSB-MW-108S was qualified as estimated (J).
*Note that select results were also qualified as estimated (J) by the laboratory due to detection between the MDL and QL.				

QUALIFIED FORM 1s

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220903-1

SDG No.:

Client Sample ID: MW-112S (12-13') | Lab Sample ID: 480-220903-1

Matrix: Solid | Lab File ID: 2024_06_21LD solid2inj14.d

Analysis Method: 1633 | Date Collected: 06/17/2024 12:30

Extraction Method: 1633 Shake | Date Extracted: 06/20/2024 14:54

Sample wt/vol: 1.46(g) | Date Analyzed: 06/22/2024 00:47

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: ID:

% Moisture: 9.3 % Solids: 90.7 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 617461 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.76	U	0.76	0.19
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.38	U	0.38	0.094
307-24-4	Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.047
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.047
335-67-1	Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.047
375-95-1	Perfluorononanoic acid (PFNA)	0.19	U	0.19	0.047
335-76-2	Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.047
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.19	U	0.19	0.047
307-55-1	Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.047
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.047
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.047
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.047
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.047
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.11	J	0.19	0.047
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.047
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.2	J	0.19	0.047
68259-12-1	Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.047
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.047
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.76	U	0.76	0.19
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.76	U	0.76	0.19
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.76	U	0.76	0.19
754-91-6	Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.047
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.047
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.047
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.047
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.047

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220903-1

SDG No.:

Client Sample ID: MW-112S (12-13') | Lab Sample ID: 480-220903-1

Matrix: Solid | Lab File ID: 2024_06_21LD solid2inj14.d

Analysis Method: 1633 | Date Collected: 06/17/2024 12:30

Extraction Method: 1633 Shake | Date Extracted: 06/20/2024 14:54

Sample wt/vol: 1.46(g) | Date Analyzed: 06/22/2024 00:47

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: ID:

% Moisture: 9.3 % Solids: 90.7 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 617461 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.9	U	1.9	0.47
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.9	U	1.9	0.47
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.76	U	0.76	0.19
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.76	U	0.76	0.19
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	0.38	U	0.38	0.094
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.38	~~U~~ UJ	0.38	0.094
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	0.76	U	0.76	0.19
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	0.76	U	0.76	0.19
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.38	U	0.38	0.094
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.94	U	0.94	0.24
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.7	U	4.7	1.2
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.7	U	4.7	1.2
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.047
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.38	U	0.38	0.094

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-220971-1

Matrix: Water | Lab File ID: 2024_06_21A LD waterinj24.d

Analysis Method: 1633 | Date Collected: 06/18/2024 12:10

Extraction Method: 1633 | Date Extracted: 06/21/2024 08:26

Sample wt/vol: 145(mL) | Date Analyzed: 06/21/2024 16:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: ID:

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 617388 | Units: ng/L

Preparation Batch No.: 617339 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	6.9	U	6.9	1.8
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.4	U	3.4	0.86
307-24-4	Perfluorohexanoic acid (PFHxA)	1.7	U	1.7	0.43
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.7	U	1.7	0.43
335-67-1	Perfluorooctanoic acid (PFOA)	1.7	U	1.7	0.43
375-95-1	Perfluorononanoic acid (PFNA)	1.7	U	1.7	0.43
335-76-2	Perfluorodecanoic acid (PFDA)	1.7	U	1.7	0.43
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.43
307-55-1	Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.43
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.7	U	1.7	0.43
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.7	U	1.7	0.43
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.7	U	1.7	0.43
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.7	U	1.7	0.43
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.7	U	1.7	0.45
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.7	U	1.7	0.43
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.7	U	1.7	0.43
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.7	U	1.7	0.43
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.9	U	6.9	1.7
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.9	U	6.9	1.7
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.9	U	6.9	1.7
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.43
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.7	U	1.7	0.43
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.7	U	1.7	0.43
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.7	U	1.7	0.53
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.7	U	1.7	0.45

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-01 | Lab Sample ID: 480-220971-1

Matrix: Water | Lab File ID: 2024_06_21A LD waterinj24.d

Analysis Method: 1633 | Date Collected: 06/18/2024 12:10

Extraction Method: 1633 | Date Extracted: 06/21/2024 08:26

Sample wt/vol: 145(mL) | Date Analyzed: 06/21/2024 16:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: ID:

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 617388 | Units: ng/L

Preparation Batch No.: 617339 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	17	U	17	4.3
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	17	U	17	4.3
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.9	U	6.9	1.7
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.9	U	6.9	1.7
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.4	U	3.4	0.86
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.4	U	3.4	1.1
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	6.9	U	6.9	1.7
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	6.9	U	6.9	1.7
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.4	U	3.4	0.86
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.6	U	8.6	2.2
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	43	U	43	11
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	43	U	43	13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.43
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.4	U	3.4	0.86

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-01 RA | Lab Sample ID: 480-220971-1 RA

Matrix: Water | Lab File ID: dilute123abc_15.d

Analysis Method: 1633 | Date Collected: 06/18/2024 12:10

Extraction Method: 1633 | Date Extracted: 06/21/2024 08:26

Sample wt/vol: 145(mL) | Date Analyzed: 06/24/2024 11:46

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 617549 | Units: ng/L

Preparation Batch No.: 617339 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.7	U	1.7	0.43

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	107		10-130
STL01893	13C5 PFPeA	98.6		35-150
STL02577	13C5 PFHxA	103		55-150
STL01892	13C4 PFHpA	98.9		55-150
STL01052	13C8 PFOA	96.3		60-140
STL02578	13C9 PFNA	83.8		55-140
STL02579	13C6 PFDA	97.4		50-140
STL02580	13C7 PFUnA	83.4		30-140
STL02116	13C2 PFTeDA	65.5		10-130
STL02337	13C3 PFBS	83.2		55-150
STL02581	13C3 PFHxS	95.8		55-150
STL01054	13C8 PFOS	88.1		45-140
STL01056	13C8 PFOSA	75.7		30-130
STL02118	d3-NMeFOSAA	78.1		45-200
STL02117	d5-NEtFOSAA	127		10-200
STL02395	M2-4:2 FTS	126		60-200
STL02279	M2-6:2 FTS	118		60-200
STL02280	M2-8:2 FTS	102		50-200
STL02255	13C3 HFPO-DA	111		25-160
STL02277	d7-N-MeFOSE-M	103		10-150
STL02278	d9-N-EtFOSE-M	93.6		10-150
STL02704	d5-NEtPFOSA	69.3		10-130
STL02705	D3-NMeFOSA	71.5		15-130
STL02703	13C2-PFDoDA	87.2		10-150

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-02 | Lab Sample ID: 480-221095-1

Matrix: Water | Lab File ID: 2024_07_02LD water3inj21.d

Analysis Method: 1633 | Date Collected: 06/21/2024 07:15

Extraction Method: 1633 | Date Extracted: 07/02/2024 11:14

Sample wt/vol: 158(mL) | Date Analyzed: 07/03/2024 00:42

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: ID:

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 618646 | Units: ng/L

Preparation Batch No.: 618588 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	6.3	U	6.3	1.7
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.2	U	3.2	0.79
307-24-4	Perfluorohexanoic acid (PFHxA)	0.46	J	1.6	0.40
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.6	U	1.6	0.40
335-67-1	Perfluorooctanoic acid (PFOA)	1.6	U	1.6	0.40
375-95-1	Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.40
335-76-2	Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.40
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.6	U	1.6	0.40
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.40
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.6	U	1.6	0.40
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.41
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.6	U	1.6	0.40
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.40
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.40
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.3	U	6.3	1.6
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.3	U	6.3	1.6
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.3	U	6.3	1.6
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.40
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.6	U	1.6	0.40
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.6	U	1.6	0.40
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	~~U~~ UJ	1.6	0.49

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-02 | Lab Sample ID: 480-221095-1

Matrix: Water | Lab File ID: 2024_07_02LD water3inj21.d

Analysis Method: 1633 | Date Collected: 06/21/2024 07:15

Extraction Method: 1633 | Date Extracted: 07/02/2024 11:14

Sample wt/vol: 158(mL) | Date Analyzed: 07/03/2024 00:42

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 618646 | Units: ng/L

Preparation Batch No.: 618588 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	~~U~~ UJ	1.6	0.41
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	16	~~U~~ UJ	16	4.0
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	16	~~U~~ UJ	16	4.0
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.3	U	6.3	1.6
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.3	U	6.3	1.6
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.2	U	3.2	0.79
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.2	U	3.2	0.97
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	6.3	U	6.3	1.6
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	6.3	U	6.3	1.6
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.2	U	3.2	0.79
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.9	U	7.9	2.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	40	U	40	9.9
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	40	U	40	12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.40
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.2	U	3.2	0.79

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-03 | Lab Sample ID: 480-221179-1

Matrix: Water | Lab File ID: 2024_07_02LD water3inj22.d

Analysis Method: 1633 | Date Collected: 06/25/2024 09:00

Extraction Method: 1633 | Date Extracted: 07/02/2024 11:14

Sample wt/vol: 153.3(mL) | Date Analyzed: 07/03/2024 00:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: ID:

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 618646 | Units: ng/L

Preparation Batch No.: 618588 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	6.5	U	6.5	1.7
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.3	U	3.3	0.82
307-24-4	Perfluorohexanoic acid (PFHxA)	0.44	J	1.6	0.41
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.6	U	1.6	0.41
335-67-1	Perfluorooctanoic acid (PFOA)	1.6	U	1.6	0.41
375-95-1	Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.41
335-76-2	Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.41
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.41
307-55-1	Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.41
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.6	U	1.6	0.41
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.41
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.6	U	1.6	0.41
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.41
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.42
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.41
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.2	J	1.6	0.41
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.41
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.41
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.5	U	6.5	1.6
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.5	U	6.5	1.6
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.5	U	6.5	1.6
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.41
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.6	U	1.6	0.41
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.43	J	1.6	0.41
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	1.6	0.51

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220971-1

SDG No.:

Client Sample ID: EB-03 | Lab Sample ID: 480-221179-1

Matrix: Water | Lab File ID: 2024_07_02LD water3inj22.d

Analysis Method: 1633 | Date Collected: 06/25/2024 09:00

Extraction Method: 1633 | Date Extracted: 07/02/2024 11:14

Sample wt/vol: 153.3(mL) | Date Analyzed: 07/03/2024 00:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: ID:

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 618646 | Units: ng/L

Preparation Batch No.: 618588 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	U	1.6	0.42
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	16	U	16	4.1
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	16	U	16	4.1
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.5	U	6.5	1.6
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.5	U	6.5	1.6
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.3	U	3.3	0.82
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.3	U	3.3	0.99
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	6.5	U	6.5	1.6
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	6.5	U	6.5	1.6
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.3	U	3.3	0.82
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.2	U	8.2	2.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	41	U	41	10
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	41	U	41	12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.41
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.3	U	3.3	0.82

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-110S | Lab Sample ID: 480-221521-1

Matrix: Water | Lab File ID: 2024_07_15LD water2inj20.d

Analysis Method: 1633 | Date Collected: 07/10/2024 08:45

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 157.4(mL) | Date Analyzed: 07/16/2024 01:42

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	6.4	U	6.4	1.7
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.2	U	3.2	0.79
307-24-4	Perfluorohexanoic acid (PFHxA)	1.6	U	1.6	0.40
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.6	U	1.6	0.40
335-67-1	Perfluorooctanoic acid (PFOA)	1.6 U 0.79 J		1.6	0.40
375-95-1	Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.40
335-76-2	Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.40
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.6	U	1.6	0.40
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.40
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.6	U	1.6	0.40
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.41
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.6	U	1.6	0.40
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.40
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.40
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.4	U	6.4	1.6
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.4	U	6.4	1.6
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.4	U	6.4	1.6
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.40
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.6	U	1.6	0.40
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.6	U	1.6	0.40
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	1.6	0.49

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-110S | Lab Sample ID: 480-221521-1

Matrix: Water | Lab File ID: 2024_07_15LD water2inj20.d

Analysis Method: 1633 | Date Collected: 07/10/2024 08:45

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 157.4(mL) | Date Analyzed: 07/16/2024 01:42

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	U	1.6	0.41
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	16	U	16	4.0
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	16	U	16	4.0
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.4	U	6.4	1.6
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.4	U	6.4	1.6
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.2	U	3.2	0.79
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.2	U	3.2	0.97
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	6.4	U	6.4	1.6
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	6.4	U	6.4	1.6
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.2	U	3.2	0.79
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.9	~~U~~ ~~*+~~ UJ	7.9	2.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	40	U	40	9.9
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	40	U	40	12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.40
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.2	U	3.2	0.79

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-106S | Lab Sample ID: 480-221521-2

Matrix: Water | Lab File ID: 2024_07_15LD water2inj21.d

Analysis Method: 1633 | Date Collected: 07/10/2024 09:00

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 53.9(mL) | Date Analyzed: 07/16/2024 01:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.8	~~J~~ J	19	4.9
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.1	~~J~~ J	9.3	2.3
307-24-4	Perfluorohexanoic acid (PFHxA)	3.9	~~J~~ J	4.6	1.2
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.8	~~J~~ J	4.6	1.2
335-67-1	Perfluorooctanoic acid (PFOA)	4.8	J	4.6	1.2
375-95-1	Perfluorononanoic acid (PFNA)	4.6	~~U~~ UJ	4.6	1.2
335-76-2	Perfluorodecanoic acid (PFDA)	4.6	~~U~~ UJ	4.6	1.2
2058-94-8	Perfluoroundecanoic acid (PFUnA)	4.6	~~U~~ UJ	4.6	1.2
307-55-1	Perfluorododecanoic acid (PFDoA)	4.6	~~U~~ UJ	4.6	1.2
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	4.6	~~U~~ UJ	4.6	1.2
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	4.6	~~U~~ UJ	4.6	1.2
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.6	~~J~~ J	4.6	1.2
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.3	~~J~~ J	4.6	1.2
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	14	J	4.6	1.2
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	4.6	~~U~~ UJ	4.6	1.2
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.4	~~J~~ ~~I~~ J	4.6	1.2
68259-12-1	Perfluorononanesulfonic acid (PFNS)	4.6	~~U~~ UJ	4.6	1.2
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	4.6	~~U~~ UJ	4.6	1.2
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	19	~~U~~ UJ	19	4.6
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	37	J	19	4.6
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	55	J	19	4.6
754-91-6	Perfluorooctanesulfonamide (PFOSA)	4.6	~~U~~ UJ	4.6	1.2
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	4.6	~~U~~ UJ	4.6	1.2
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.6	~~U~~ UJ	4.6	1.2
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.6	~~U~~ UJ	4.6	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-106S | Lab Sample ID: 480-221521-2

Matrix: Water | Lab File ID: 2024_07_15LD water2inj21.d

Analysis Method: 1633 | Date Collected: 07/10/2024 09:00

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 53.9(mL) | Date Analyzed: 07/16/2024 01:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.6	~~U~~ UJ	4.6	1.2
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	46	~~U~~ UJ	46	12
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	46	~~U~~ UJ	46	12
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	19	~~U~~ UJ	19	4.6
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	19	~~U~~ UJ	19	4.6
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	9.3	~~U~~ UJ	9.3	2.3
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.3	~~U~~ UJ	9.3	2.8
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	19	~~U~~ UJ	19	4.6
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	19	~~U~~ UJ	19	4.6
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	9.3	~~U~~ UJ	9.3	2.3
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	23	~~U~~ UJ	23	5.8
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	120	~~U~~ UJ	120	29
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	120	~~U~~ UJ	120	35
335-77-3	Perfluorodecanesulfonic acid (PFDS)	4.6	~~U~~ UJ	4.6	1.2
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	9.3	~~U~~ UJ	9.3	2.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-105S | Lab Sample ID: 480-221521-3

Matrix: Water | Lab File ID: 2024_07_15LD water2inj22.d

Analysis Method: 1633 | Date Collected: 07/10/2024 12:00

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 56.3(mL) | Date Analyzed: 07/16/2024 02:10

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	18	~~U~~ UJ	18	4.7
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.6	~~J~~ J	8.9	2.2
307-24-4	Perfluorohexanoic acid (PFHxA)	9.9	J	4.4	1.1
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.0	~~J~~ J	4.4	1.1
335-67-1	Perfluorooctanoic acid (PFOA)	4.6	J	4.4	1.1
375-95-1	Perfluorononanoic acid (PFNA)	4.4	~~U~~ UJ	4.4	1.1
335-76-2	Perfluorodecanoic acid (PFDA)	4.4	~~U~~ UJ	4.4	1.1
2058-94-8	Perfluoroundecanoic acid (PFUnA)	4.4	~~U~~ UJ	4.4	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	4.4	~~U~~ UJ	4.4	1.1
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	4.4	~~U~~ UJ	4.4	1.1
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	4.4	~~U~~ UJ	4.4	1.1
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.6	~~J~~ J	4.4	1.1
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	4.4	~~U~~ UJ	4.4	1.1
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.4	~~U~~ UJ	4.4	1.1
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	4.4	~~U~~ UJ	4.4	1.1
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	7.3	J	4.4	1.1
68259-12-1	Perfluorononanesulfonic acid (PFNS)	4.4	~~U~~ UJ	4.4	1.1
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	4.4	~~U~~ UJ	4.4	1.1
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	18	~~U~~ UJ	18	4.4
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	34	J	18	4.4
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	46	J	18	4.4
754-91-6	Perfluorooctanesulfonamide (PFOSA)	4.4	~~U~~ UJ	4.4	1.1
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	4.4	~~U~~ UJ	4.4	1.1
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.4	~~U~~ UJ	4.4	1.1
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.4	~~U~~ UJ	4.4	1.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-105S | Lab Sample ID: 480-221521-3

Matrix: Water | Lab File ID: 2024_07_15LD water2inj22.d

Analysis Method: 1633 | Date Collected: 07/10/2024 12:00

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 56.3(mL) | Date Analyzed: 07/16/2024 02:10

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.4	~~U~~ UJ	4.4	1.2
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	44	~~U~~ UJ	44	11
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	44	~~U~~ UJ	44	11
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	18	~~U~~ UJ	18	4.4
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	18	~~U~~ UJ	18	4.4
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	8.9	~~U~~ UJ	8.9	2.2
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.9	~~U~~ UJ	8.9	2.7
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	18	~~U~~ UJ	18	4.4
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	18	~~U~~ UJ	18	4.4
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	8.9	~~U~~ UJ	8.9	2.2
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	22	~~U~~ UJ	22	5.6
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	110	~~U~~ UJ	110	28
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	110	~~U~~ UJ	110	33
335-77-3	Perfluorodecanesulfonic acid (PFDS)	4.4	~~U~~ UJ	4.4	1.1
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	8.9	~~U~~ UJ	8.9	2.2

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-111S | Lab Sample ID: 480-221521-4

Matrix: Water | Lab File ID: 2024_07_15LD water2inj23.d

Analysis Method: 1633 | Date Collected: 07/10/2024 10:55

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 156.2(mL) | Date Analyzed: 07/16/2024 02:23

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	6.4	U	6.4	1.7
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.2	U	3.2	0.80
307-24-4	Perfluorohexanoic acid (PFHxA)	1.6	U	1.6	0.40
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.6	U	1.6	0.40
335-67-1	Perfluorooctanoic acid (PFOA)	1.6	U	1.6	0.40
375-95-1	Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.40
335-76-2	Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.40
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.6	U	1.6	0.40
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.40
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.6	U	1.6	0.40
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.41
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.6	U	1.6	0.40
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.40
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.40
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.4	U	6.4	1.6
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.4	U	6.4	1.6
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.4	U	6.4	1.6
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.40
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.6	U	1.6	0.40
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.6	U	1.6	0.40
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	1.6	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-111S | Lab Sample ID: 480-221521-4

Matrix: Water | Lab File ID: 2024_07_15LD water2inj23.d

Analysis Method: 1633 | Date Collected: 07/10/2024 10:55

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 156.2(mL) | Date Analyzed: 07/16/2024 02:23

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	U	1.6	0.42
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	16	U	16	4.0
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	16	U	16	4.0
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.4	U	6.4	1.6
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.4	U	6.4	1.6
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.2	U	3.2	0.80
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.2	U	3.2	0.98
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	6.4	U	6.4	1.6
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	6.4	U	6.4	1.6
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.2	U	3.2	0.80
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.0	~~U *+~~ UJ	8.0	2.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	40	U	40	10
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	40	U	40	12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.40
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.2	U	3.2	0.80

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-112S | Lab Sample ID: 480-221521-5

Matrix: Water | Lab File ID: 2024_07_15LD water2inj24.d

Analysis Method: 1633 | Date Collected: 07/10/2024 12:50

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 156.7(mL) | Date Analyzed: 07/16/2024 02:37

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	6.4	U	6.4	1.7
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.2	U	3.2	0.80
307-24-4	Perfluorohexanoic acid (PFHxA)	0.68	J	1.6	0.40
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.6	U	1.6	0.40
335-67-1	Perfluorooctanoic acid (PFOA)	1.6	U	1.6	0.40
375-95-1	Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.40
335-76-2	Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.40
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.6	U	1.6	0.40
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.40
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.76	J	1.6	0.40
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.41
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.6	U	1.6	0.40
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.40
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.40
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.4	U	6.4	1.6
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.4	U	6.4	1.6
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.4	U	6.4	1.6
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.40
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.6	U	1.6	0.40
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.6	U	1.6	0.40
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	1.6	0.49

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-112S | Lab Sample ID: 480-221521-5

Matrix: Water | Lab File ID: 2024_07_15LD water2inj24.d

Analysis Method: 1633 | Date Collected: 07/10/2024 12:50

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 156.7(mL) | Date Analyzed: 07/16/2024 02:37

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	U	1.6	0.42
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	16	U	16	4.0
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	16	U	16	4.0
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.4	U	6.4	1.6
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.4	U	6.4	1.6
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.2	U	3.2	0.80
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.2	U	3.2	0.97
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	6.4	U	6.4	1.6
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	6.4	U	6.4	1.6
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.2	U	3.2	0.80
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.0	~~U *+~~ UJ	8.0	2.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	40	U	40	10
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	40	U	40	12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.40
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.2	U	3.2	0.80

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-109S | Lab Sample ID: 480-221561-1

Matrix: Water | Lab File ID: 2024_07_15LD water2inj25.d

Analysis Method: 1633 | Date Collected: 07/09/2024 14:30

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 172.1(mL) | Date Analyzed: 07/16/2024 02:50

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.6	J	5.8	1.5
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.1	J	2.9	0.73
307-24-4	Perfluorohexanoic acid (PFHxA)	0.95	J	1.5	0.36
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.5	U	1.5	0.36
335-67-1	Perfluorooctanoic acid (PFOA)	1.5	U	1.5	0.36
375-95-1	Perfluorononanoic acid (PFNA)	1.5	U	1.5	0.36
335-76-2	Perfluorodecanoic acid (PFDA)	1.5	U	1.5	0.36
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.5	U	1.5	0.36
307-55-1	Perfluorododecanoic acid (PFDoA)	1.5	U	1.5	0.36
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.5	U	1.5	0.36
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.5	U	1.5	0.36
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.36	J	1.5	0.36
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.5	U	1.5	0.36
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.5	U	1.5	0.38
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.5	U	1.5	0.36
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.5	U	1.5	0.36
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.5	U	1.5	0.36
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.5	U	1.5	0.36
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.8	U	5.8	1.5
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.8	U	5.8	1.5
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.8	U	5.8	1.5
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.5	U	1.5	0.36
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.5	U	1.5	0.36
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.5	U	1.5	0.36
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.5	U	1.5	0.45

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-109S | Lab Sample ID: 480-221561-1

Matrix: Water | Lab File ID: 2024_07_15LD water2inj25.d

Analysis Method: 1633 | Date Collected: 07/09/2024 14:30

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 172.1(mL) | Date Analyzed: 07/16/2024 02:50

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.5	U	1.5	0.38
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15	U	15	3.6
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15	U	15	3.6
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	5.8	U	5.8	1.5
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.8	U	5.8	1.5
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	2.9	U	2.9	0.73
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.9	U	2.9	0.89
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	5.8	U	5.8	1.5
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	5.8	U	5.8	1.5
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.9	U	2.9	0.73
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.3	~~U F1~~ UJ ~~* + -~~	7.3	1.8
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	36	U	36	9.1
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	36	U	36	11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.5	U	1.5	0.36
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.9	U	2.9	0.73

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: DUP-01 | Lab Sample ID: 480-221561-2

Matrix: Water | Lab File ID: 2024_07_15LD water2inj30.d

Analysis Method: 1633 | Date Collected: 07/09/2024 00:00

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 157.3(mL) | Date Analyzed: 07/16/2024 03:58

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	6.4	U	6.4	1.7
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.1	J	3.2	0.79
307-24-4	Perfluorohexanoic acid (PFHxA)	0.78	J	1.6	0.40
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.6	U	1.6	0.40
335-67-1	Perfluorooctanoic acid (PFOA)	1.6 U ~~0.99~~ J I		1.6	0.40
375-95-1	Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.40
335-76-2	Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.40
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.6	U	1.6	0.40
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.40
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.41	J	1.6	0.40
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.41
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.6	U	1.6	0.40
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.40
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.40
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.4	U	6.4	1.6
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.4	U	6.4	1.6
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.4	U	6.4	1.6
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.40
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.6	U	1.6	0.40
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.6	U	1.6	0.40
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	1.6	0.49

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: DUP-01 | Lab Sample ID: 480-221561-2

Matrix: Water | Lab File ID: 2024_07_15LD water2inj30.d

Analysis Method: 1633 | Date Collected: 07/09/2024 00:00

Extraction Method: 1633 | Date Extracted: 07/15/2024 10:13

Sample wt/vol: 157.3(mL) | Date Analyzed: 07/16/2024 03:58

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/L

Preparation Batch No.: 619880 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	U	1.6	0.41
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	16	U	16	4.0
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	16	U	16	4.0
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.4	U	6.4	1.6
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.4	U	6.4	1.6
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.2	U	3.2	0.79
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.2	U	3.2	0.97
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	6.4	U	6.4	1.6
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	6.4	U	6.4	1.6
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.2	U	3.2	0.79
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.9	~~U~~ ~~*+~~ UJ	7.9	2.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	40	U	40	9.9
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	40	U	40	12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.40
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.2	U	3.2	0.79

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-108S | Lab Sample ID: 480-221590-1

Matrix: Water | Lab File ID: 2024_07_18BLDrerunsrushwaterin

Analysis Method: 1633 | Date Collected: 07/11/2024 10:35

Extraction Method: 1633 | Date Extracted: 07/18/2024 11:58

Sample wt/vol: 154.4(mL) | Date Analyzed: 07/18/2024 16:40

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 620319 | Units: ng/L

Preparation Batch No.: 620394 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.8	J	6.5	1.7
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.8	J	3.2	0.81
307-24-4	Perfluorohexanoic acid (PFHxA)	1.8		1.6	0.40
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.52	J	1.6	0.40
335-67-1	Perfluorooctanoic acid (PFOA)	0.93	~~J~~ ~~I~~ J	1.6	0.40
375-95-1	Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.40
335-76-2	Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.40
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.6	~~U~~ UJ	1.6	0.40
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.40
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.4	J	1.6	0.40
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.42
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.6	U	1.6	0.40
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.40
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.40
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.5	U	6.5	1.6
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.5	U	6.5	1.6
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.5	U	6.5	1.6
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.40
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.6	U	1.6	0.40
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.6	U	1.6	0.40
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	1.6	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: QNSB-MW-108S | Lab Sample ID: 480-221590-1

Matrix: Water | Lab File ID: 2024_07_18BLDrerunsrushwaterin

Analysis Method: 1633 | Date Collected: 07/11/2024 10:35

Extraction Method: 1633 | Date Extracted: 07/18/2024 11:58

Sample wt/vol: 154.4(mL) | Date Analyzed: 07/18/2024 16:40

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 620319 | Units: ng/L

Preparation Batch No.: 620394 | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	U	1.6	0.42
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	16	U	16	4.0
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	16	U	16	4.0
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.5	U	6.5	1.6
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.5	U	6.5	1.6
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.2	U	3.2	0.81
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.2	U	3.2	0.99
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	6.5	U	6.5	1.6
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	6.5	U	6.5	1.6
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.2	U	3.2	0.81
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.1	U	8.1	2.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	40	U	40	10
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	40	U	40	12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.40
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.2	U	3.2	0.81

QC NONCONFORMANCE DOCUMENTATION

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 480-220903-1

SDG No.:

Lab Sample ID: CCV 240-617461/16 Calibration Date: 06/22/2024 01:15

Instrument ID: LCMS04 Calib Start Date: 06/20/2024 12:02

GC Column: ID: Calib End Date: 06/20/2024 13:24

Lab File ID: 2024_06_21LD solid2inj16.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.8700	0.9353		2.69	2.50	7.5	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.633	1.698		1.30	1.25	4.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0745	0.0734		3.08	3.13	-1.5	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.837	1.862		1.27	1.25	1.3	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	2.033	2.144		1.32	1.25	5.5	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.548	2.729		2.50	2.34	7.1	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1302	0.1711		1.64	1.25	31.4*	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.7101	0.7502		0.660	0.625	5.6	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.147	1.154		0.556	0.553	0.6	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.9776	1.070		2.74	2.50	9.5	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1069	0.1196		17.5	15.6	11.8	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.424	2.718		1.25	1.11	12.2	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.9390	1.041		0.693	0.625	10.9	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.869	4.150		2.53	2.36	7.3	30.0
FBSA	AveID	0.7467	0.7288		2.44	2.50	-2.4	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	0.9443	1.069		0.664	0.586	13.2	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.322	2.225		2.27	2.37	-4.2	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.6182	0.6266		0.634	0.625	1.4	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0970	0.1033		16.6	15.6	6.5	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.024	1.114		0.619	0.569	8.8	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7223	0.7669		0.664	0.625	6.2	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	2.252	2.571		2.73	2.40	14.2	30.0
PFECHS	AveID	1.925	2.057		1.23	1.15	6.8	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.014	1.107		0.649	0.595	9.2	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	1.006	1.110		0.689	0.625	10.3	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.9711	0.9800		0.631	0.625	0.9	30.0
FHxSA	AveID	0.9576	1.010		2.64	2.50	5.5	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.7158	0.7804		0.681	0.625	9.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.272	1.486		0.678	0.580	16.9	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 480-220971-1

SDG No.:

Lab Sample ID: CCV 240-617388/41 Calibration Date: 06/21/2024 18:35

Instrument ID: LCMS01 Calib Start Date: 06/17/2024 15:42

GC Column: ID: Calib End Date: 06/17/2024 17:03

Lab File ID: 2024_06_21A LD waterinj34.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoroundecanoic acid (PFUnA)	AveID	0.8409	0.7481		0.556	0.625	-11.0	30.0
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.795	2.308		1.92	2.33	-17.4	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.7028	0.5618		0.480	0.600	-20.1	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.8900	0.8086		0.568	0.625	-9.1	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.9507	0.9078		0.597	0.625	-4.5	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7112	0.6017		0.510	0.603	-15.4	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	0.8412	0.7323		0.544	0.625	-12.9	30.0
11-Chloroeicosafluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	2.295	1.727		1.77	2.36	-24.7	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.9506	0.8222		0.541	0.625	-13.5	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.5746	0.3465		0.365	0.605	-39.7*	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	0.0727	0.0664		5.70	6.25	-8.8	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9383	0.8615		0.574	0.625	-8.2	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	0.0529	0.0443		5.23	6.25	-16.3	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9221	0.8170		0.554	0.625	-11.4	30.0
13C4 PFBA	Ave	0.9604	0.997		2.60	2.50	3.8	30.0
13C5 PFPeA	Ave	0.8088	0.8659		1.34	1.25	7.1	30.0
M2-4:2 FTS	Ave	0.1172	0.1235		1.23	1.17	5.4	30.0
13C5 PFHxA	Ave	1.333	1.331		0.624	0.625	-0.2	30.0
13C3 PFBS	Ave	1.278	1.415		0.644	0.581	10.8	30.0
13C3 HFPO-DA	Ave	0.5306	0.5228		2.46	2.50	-1.5	30.0
13C4 PFHpA	Ave	1.365	1.395		0.639	0.625	2.2	30.0
M2-6:2 FTS	Ave	0.1249	0.1046		0.995	1.19	-16.2	30.0
13C8 PFOA	Ave	7.313	7.421		0.634	0.625	1.5	30.0
13C3 PFHxS	Ave	0.9917	1.056		0.629	0.591	6.4	30.0
13C9 PFNA	Ave	0.8527	0.9090		0.333	0.313	6.6	30.0
M2-8:2 FTS	Ave	0.0848	0.0707		0.998	1.20	-16.7	30.0
d3-NMeFOSAA	Ave	0.5347	0.5159		1.21	1.25	-3.5	30.0
13C6 PFDA	Ave	1.006	1.037		0.322	0.313	3.1	30.0
d5-NEtFOSAA	Ave	0.4889	0.4565		1.17	1.25	-6.6	30.0
13C8 PFOS	Ave	1.089	1.216		0.667	0.598	11.7	30.0
13C7 PFUnA	Ave	0.8142	0.8778		0.337	0.313	7.8	30.0
13C2-PFDoDA	Ave	0.7806	0.7929		0.317	0.313	1.6	30.0
13C8 PFOSA	Ave	1.672	1.618		0.605	0.625	-3.2	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 480-221459-1

SDG No.: Order 4

Lab Sample ID: CCV 240-619959/2 Calibration Date: 07/15/2024 21:38

Instrument ID: LCMS04 Calib Start Date: 07/11/2024 17:42

GC Column: ID: Calib End Date: 07/11/2024 19:03

Lab File ID: 2024_07_15LD water2inj02.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.8428	0.8477		0.201	0.200	0.6	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.329	1.384		0.104	0.100	4.2	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0296	0.0559		0.472	0.250	88.8*	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.553	1.505		0.0969	0.100	-3.1	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.427	1.389		0.0973	0.100	-2.7	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.532	2.633		0.194	0.187	4.0	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1434	0.1003		0.0700	0.100	-30.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.6003	0.5711		0.0476	0.0500	-4.9	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.062	1.040		0.0433	0.0442	-2.1	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1236	0.1239		1.25	1.25	0.2	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.8725	0.8866		0.203	0.200	1.6	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.322	2.409		0.0923	0.0890	3.8	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.9911	0.9130		0.0461	0.0500	-7.9	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.222	3.452		0.202	0.188	7.2	30.0
FBSA	AveID	0.9326	0.9422		0.202	0.200	1.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	0.9226	0.9134		0.0464	0.0469	-1.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.092	2.038		0.185	0.190	-2.6	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.4398	0.5568		0.0633	0.0500	26.6	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.1037	0.0982		1.18	1.25	-5.3	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.8863	0.8195		0.0421	0.0455	-7.5	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7342	0.8212		0.0559	0.0500	11.8	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	2.350	2.709		0.221	0.192	15.3	30.0
PFECHS	AveID	1.713	1.641		0.0884	0.0922	-4.2	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.005	1.036		0.0491	0.0476	3.1	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	1.008	1.080		0.0536	0.0500	7.2	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.8776	0.7061		0.0402	0.0500	-19.5	30.0
FHxSA	AveID	0.9416	0.9880		0.210	0.200	4.9	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.7522	0.8946		0.0595	0.0500	18.9	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.213	1.206		0.0461	0.0464	-0.6	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 480-221459-1

SDG No.: Order 4

Lab Sample ID: CCV 240-619959/3 Calibration Date: 07/15/2024 21:51

Instrument ID: LCMS04 Calib Start Date: 07/11/2024 17:42

GC Column: ID: Calib End Date: 07/11/2024 19:03

Lab File ID: 2024_07_15LD water2inj03.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.8428	0.9319		2.76	2.50	10.6	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.329	1.461		1.37	1.25	9.9	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0296	0.0560		5.91	3.13	89.3*	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.553	1.642		1.32	1.25	5.7	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.427	1.536		1.35	1.25	7.6	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.532	2.608		2.40	2.34	3.0	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1434	0.1218		1.06	1.25	-15.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.6003	0.5869		0.611	0.625	-2.2	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.062	1.040		0.541	0.553	-2.1	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1236	0.1372		17.3	15.6	11.0	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.8725	0.8673		2.49	2.50	-0.6	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.322	2.568		1.23	1.11	10.6	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.9911	0.997		0.629	0.625	0.6	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.222	3.560		2.60	2.36	10.5	30.0
FBSA	AveID	0.9326	0.9648		2.59	2.50	3.4	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	0.9226	0.9936		0.631	0.586	7.7	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.092	2.095		2.37	2.37	0.1	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.4398	0.4288		0.609	0.625	-2.5	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.1037	0.1049		15.8	15.6	1.1	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.8863	0.7843		0.503	0.569	-11.5	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7342	0.7401		0.630	0.625	0.8	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	2.350	2.488		2.54	2.40	5.9	30.0
PFECHS	AveID	1.713	1.687		1.14	1.15	-1.5	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.005	1.012		0.599	0.595	0.7	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	1.008	1.076		0.667	0.625	6.8	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.8776	0.7197		0.513	0.625	-18.0	30.0
FHxSA	AveID	0.9416	1.027		2.73	2.50	9.1	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.7522	0.8350		0.694	0.625	11.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.213	1.187		0.567	0.580	-2.2	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 480-221459-1

SDG No.: Order 4

Lab Sample ID: CCV 240-619959/16 Calibration Date: 07/16/2024 00:48

Instrument ID: LCMS04 Calib Start Date: 07/11/2024 17:42

GC Column: ID: Calib End Date: 07/11/2024 19:03

Lab File ID: 2024_07_15LD water2inj16.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.8428	0.9439		2.80	2.50	12.0	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.329	1.400		1.32	1.25	5.4	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0296	0.0556		5.87	3.13	87.8*	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.553	1.578		1.27	1.25	1.6	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.427	1.470		1.29	1.25	3.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.532	2.621		2.42	2.34	3.5	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1434	0.1102		0.961	1.25	-23.2	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.6003	0.5870		0.611	0.625	-2.2	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.062	1.029		0.536	0.553	-3.1	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1236	0.1354		17.1	15.6	9.5	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.8725	0.9321		2.67	2.50	6.8	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.322	2.603		1.25	1.11	12.1	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.9911	0.9811		0.619	0.625	-1.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.222	3.595		2.63	2.36	11.6	30.0
FBSA	AveID	0.9326	0.9291		2.49	2.50	-0.4	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	0.9226	0.9556		0.607	0.586	3.6	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.092	2.240		2.54	2.37	7.1	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.4398	0.3835		0.545	0.625	-12.8	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.1037	0.1059		16.0	15.6	2.1	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.8863	0.7674		0.492	0.569	-13.4	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7342	0.7533		0.641	0.625	2.6	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	2.350	2.322		2.37	2.40	-1.2	30.0
PFECHS	AveID	1.713	1.717		1.16	1.15	0.3	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.005	1.011		0.599	0.595	0.6	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	1.008	1.056		0.655	0.625	4.7	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.8776	0.7005		0.499	0.625	-20.2	30.0
FHxSA	AveID	0.9416	1.011		2.68	2.50	7.3	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.7522	0.7688		0.639	0.625	2.2	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.213	1.191		0.569	0.580	-1.9	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 480-221459-1

SDG No.: Order 4

Lab Sample ID: CCV 240-619959/28 Calibration Date: 07/16/2024 03:31

Instrument ID: LCMS04 Calib Start Date: 07/11/2024 17:42

GC Column: ID: Calib End Date: 07/11/2024 19:03

Lab File ID: 2024_07_15LD water2inj28.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.8428	0.9265		2.75	2.50	9.9	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.329	1.438		1.35	1.25	8.2	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0296	0.0568		6.00	3.13	91.9*	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.553	1.602		1.29	1.25	3.1	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.427	1.495		1.31	1.25	4.7	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.532	2.647		2.44	2.34	4.5	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1434	0.1208		1.05	1.25	-15.8	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.6003	0.6157		0.641	0.625	2.6	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.062	1.093		0.569	0.553	2.9	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1236	0.1388		17.5	15.6	12.2	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.8725	0.9565		2.74	2.50	9.6	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.322	2.524		1.21	1.11	8.7	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.9911	0.999		0.630	0.625	0.8	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.222	3.698		2.70	2.36	14.8	30.0
FBSA	AveID	0.9326	0.9224		2.47	2.50	-1.1	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	0.9226	1.000		0.635	0.586	8.4	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.092	2.148		2.43	2.37	2.7	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.4398	0.4028		0.572	0.625	-8.4	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.1037	0.1039		15.7	15.6	0.2	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.8863	0.8062		0.517	0.569	-9.0	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7342	0.7699		0.655	0.625	4.9	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	2.350	2.353		2.40	2.40	0.1	30.0
PFECHS	AveID	1.713	1.716		1.15	1.15	0.2	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.005	1.061		0.628	0.595	5.6	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	1.008	1.085		0.673	0.625	7.7	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.8776	0.7092		0.505	0.625	-19.2	30.0
FHxSA	AveID	0.9416	1.007		2.67	2.50	7.0	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.7522	0.8574		0.712	0.625	14.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.213	1.234		0.590	0.580	1.7	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 480-221459-1

SDG No.: Order 4

Lab Sample ID: CCV 240-619959/33 Calibration Date: 07/16/2024 04:39

Instrument ID: LCMS04 Calib Start Date: 07/11/2024 17:42

GC Column: ID: Calib End Date: 07/11/2024 19:03

Lab File ID: 2024_07_15LD water2inj33.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.8428	0.9304		2.76	2.50	10.4	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.329	1.483		1.40	1.25	11.6	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0296	0.0589		6.21	3.13	98.8*	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.553	1.653		1.33	1.25	6.4	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.427	1.555		1.36	1.25	8.9	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.532	2.752		2.54	2.34	8.7	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1434	0.1083		0.944	1.25	-24.5	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.6003	0.5857		0.610	0.625	-2.4	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.062	1.048		0.545	0.553	-1.3	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1236	0.1338		16.9	15.6	8.3	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.8725	0.9581		2.75	2.50	9.8	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.322	2.467		1.18	1.11	6.3	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.9911	0.9616		0.606	0.625	-3.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.222	3.621		2.65	2.36	12.4	30.0
FBSA	AveID	0.9326	0.9141		2.45	2.50	-2.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	0.9226	0.9477		0.602	0.586	2.7	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.092	2.200		2.49	2.37	5.2	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.4398	0.4196		0.596	0.625	-4.6	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.1037	0.1012		15.2	15.6	-2.4	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.8863	0.7906		0.507	0.569	-10.8	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7342	0.7696		0.655	0.625	4.8	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	2.350	2.321		2.37	2.40	-1.2	30.0
PFECHS	AveID	1.713	1.763		1.19	1.15	2.9	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.005	1.026		0.608	0.595	2.1	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	1.008	1.066		0.661	0.625	5.8	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.8776	0.6530		0.465	0.625	-25.6	30.0
FHxSA	AveID	0.9416	0.999		2.65	2.50	6.1	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.7522	0.7844		0.652	0.625	4.3	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.213	1.203		0.575	0.580	-0.9	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 480-221459-1

SDG No.: Order 4

Lab Sample ID: CCV 240-620319/22 Calibration Date: 07/18/2024 16:13

Instrument ID: LCMS04 Calib Start Date: 07/16/2024 16:12

GC Column: ID: Calib End Date: 07/16/2024 17:34

Lab File ID: 2024_07_18LDrerunsrushwaterinj23. Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoroundecanoic acid (PFUnA)	AveID	0.7939	0.7619		0.600	0.625	-4.0	30.0
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	3.176	3.644		2.67	2.33	14.7	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.9402	0.9934		0.634	0.600	5.7	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.8285	0.8889		0.671	0.625	7.3	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8593	0.9102		0.662	0.625	5.9	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.048	1.094		0.629	0.603	4.4	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.100	1.851		0.714	0.625	68.2*	30.0
11-Chloroeicosafluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	2.936	3.357		2.69	2.36	14.3	30.0
Perfluorotetradecanoic acid (PFTeDA)	Q2ID		1.308		0.621	0.625	-0.7	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.8111	0.8157		0.608	0.605	0.6	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	0.1330	0.1337		6.28	6.25	0.5	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.8908	1.012		0.710	0.625	13.6	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	0.1078	0.1079		6.25	6.25	0.0	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.8892	0.9185		0.646	0.625	3.3	30.0
13C4 PFBA	Ave	1.062	1.064		2.51	2.50	0.2	30.0
13C5 PFPeA	Ave	0.7812	0.7506		1.20	1.25	-3.9	30.0
M2-4:2 FTS	Ave	0.1737	0.1627		1.09	1.17	-6.3	30.0
13C5 PFHxA	Ave	1.632	1.653		0.633	0.625	1.3	30.0
13C3 PFBS	Ave	1.114	1.038		0.542	0.581	-6.8	30.0
13C3 HFPO-DA	Ave	0.6032	0.5709		2.37	2.50	-5.4	30.0
13C4 PFHpA	Ave	1.568	1.595		0.636	0.625	1.7	30.0
M2-6:2 FTS	Ave	0.1914	0.2180		1.35	1.19	13.9	30.0
13C8 PFOA	Ave	7.497	7.391		0.616	0.625	-1.4	30.0
13C3 PFHxS	Ave	1.082	1.020		0.558	0.591	-5.7	30.0
13C9 PFNA	Ave	0.6881	0.6758		0.307	0.313	-1.8	30.0
M2-8:2 FTS	Ave	0.1455	0.1447		1.19	1.20	-0.5	30.0
d3-NMeFOSAA	Ave	0.3003	0.2811		1.17	1.25	-6.4	30.0
13C6 PFDA	Ave	0.9748	0.9578		0.307	0.313	-1.7	30.0
d5-NEtFOSAA	Ave	0.2974	0.3014		1.27	1.25	1.3	30.0
13C8 PFOS	Ave	0.9601	0.9528		0.593	0.598	-0.8	30.0
13C7 PFUnA	Ave	0.9037	0.8470		0.293	0.313	-6.3	30.0
13C2-PFDoDA	Ave	0.8754	0.8160		0.291	0.313	-6.8	30.0
13C8 PFOSA	Ave	0.8764	0.8444		0.602	0.625	-3.7	30.0

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-220903-1

SDG No.:

Client Sample ID: | Lab Sample ID: CCB 240-617461/17

Matrix: Solid | Lab File ID: 2024_06_21LD solid2inj17.d

Analysis Method: 1633 | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 0(mL) | Date Analyzed: 06/22/2024 01:28

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 617461 | Units: ng/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.10	U	0.10	0.0019
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.10	U	0.10	0.00077
307-24-4	Perfluorohexanoic acid (PFHxA)	0.10	U	0.10	0.00040
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.10	U	0.10	0.00027
335-67-1	Perfluorooctanoic acid (PFOA)	0.10	U	0.10	0.00038
375-95-1	Perfluorononanoic acid (PFNA)	0.10	U	0.10	0.00032
335-76-2	Perfluorodecanoic acid (PFDA)	0.10	U	0.10	0.00025
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.10	U	0.10	0.00020
307-55-1	Perfluorododecanoic acid (PFDoA)	0.10	U	0.10	0.00025
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.10	U	0.10	0.00033
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	0.10	U	0.10	0.00018
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.10	U	0.10	0.00038
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	0.10	U	0.10	0.00036
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.10	U	0.10	0.00042
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.10	U	0.10	0.00023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.0663	J	0.10	0.00053
68259-12-1	Perfluorononanesulfonic acid (PFNS)	0.10	U	0.10	0.00030
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.10	U	0.10	0.00029
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.10	U	0.10	0.00094
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.10	U	0.10	0.0011
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.10	U	0.10	0.0012
754-91-6	Perfluorooctanesulfonamide (PFOSA)	0.10	U	0.10	0.00029
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	0.10	U	0.10	0.00057
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.10	U	0.10	0.00029
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.10	U	0.10	0.00067
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.10	U	0.10	0.00062

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: | Lab Sample ID: CCB 240-619959/17

Matrix: Water | Lab File ID: 2024_07_15LD water2inj17.d

Analysis Method: 1633 | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 0(mL) | Date Analyzed: 07/16/2024 01:01

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/mL

Preparation Batch No.: | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.10	U	0.10	0.0019
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.10	U	0.10	0.00077
307-24-4	Perfluorohexanoic acid (PFHxA)	0.10	U	0.10	0.00040
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.10	U	0.10	0.00027
335-67-1	Perfluorooctanoic acid (PFOA)	0.10	U	0.10	0.00038
375-95-1	Perfluorononanoic acid (PFNA)	0.10	U	0.10	0.00032
335-76-2	Perfluorodecanoic acid (PFDA)	0.10	U	0.10	0.00025
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.10	U	0.10	0.00020
307-55-1	Perfluorododecanoic acid (PFDoA)	0.10	U	0.10	0.00025
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.10	U	0.10	0.00033
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	0.10	U	0.10	0.00018
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.10	U	0.10	0.00038
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	0.10	U	0.10	0.00036
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.00204	J	0.10	0.00042
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.10	U	0.10	0.00023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.10	U	0.10	0.00053
68259-12-1	Perfluorononanesulfonic acid (PFNS)	0.10	U	0.10	0.00030
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.10	U	0.10	0.00029
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.10	U	0.10	0.00094
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.10	U	0.10	0.0011
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.10	U	0.10	0.0012
754-91-6	Perfluorooctanesulfonamide (PFOSA)	0.10	U	0.10	0.00029
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	0.10	U	0.10	0.00057
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.10	U	0.10	0.00029
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.10	U	0.10	0.00067

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 480-221459-1

SDG No.: Order 4

Client Sample ID: | Lab Sample ID: CCB 240-619959/29

Matrix: Water | Lab File ID: 2024_07_15LD water2inj29.d

Analysis Method: 1633 | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 0(mL) | Date Analyzed: 07/16/2024 03:45

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 10(uL) | GC Column: | ID:

% Moisture: | % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 619959 | Units: ng/mL

Preparation Batch No.: | Instrument ID: Sciex 5500+

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.10	U	0.10	0.0019
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.10	U	0.10	0.00077
307-24-4	Perfluorohexanoic acid (PFHxA)	0.10	U	0.10	0.00040
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.10	U	0.10	0.00027
335-67-1	Perfluorooctanoic acid (PFOA)	0.0151	J	0.10	0.00038
375-95-1	Perfluorononanoic acid (PFNA)	0.10	U	0.10	0.00032
335-76-2	Perfluorodecanoic acid (PFDA)	0.10	U	0.10	0.00025
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.10	U	0.10	0.00020
307-55-1	Perfluorododecanoic acid (PFDoA)	0.10	U	0.10	0.00025
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.10	U	0.10	0.00033
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	0.10	U	0.10	0.00018
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.10	U	0.10	0.00038
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	0.10	U	0.10	0.00036
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.10	U	0.10	0.00042
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.10	U	0.10	0.00023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.10	U	0.10	0.00053
68259-12-1	Perfluorononanesulfonic acid (PFNS)	0.10	U	0.10	0.00030
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.10	U	0.10	0.00029
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.10	U	0.10	0.00094
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.10	U	0.10	0.0011
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.10	U	0.10	0.0012
754-91-6	Perfluorooctanesulfonamide (PFOSA)	0.10	U	0.10	0.00029
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	0.10	U	0.10	0.00057
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.10	U	0.10	0.00029
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.10	U	0.10	0.00067

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-221561-1 MS | **Client Sample ID: QNSB-MW-109S**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 619959 | **Prep Batch: 619880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotridecanoic acid (PFTrDA)	1.5	U	18.7	17.1		ng/L		92	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	1.5	U	18.7	19.7		ng/L		105	47 - 161
Perfluorobutanesulfonic acid (PFBS)	0.36	J	16.6	15.6		ng/L		92	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	1.5	U	17.6	17.4		ng/L		99	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	1.5	U	17.0	15.2		ng/L		89	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	1.5	U	17.8	18.7		ng/L		105	55 - 152
Perfluorooctanesulfonic acid (PFOS)	1.5	U	17.4	17.5		ng/L		101	58 - 149
Perfluorononanesulfonic acid (PFNS)	1.5	U	18.0	16.8		ng/L		93	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	1.5	U	18.1	12.5		ng/L		69	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.8	U	70.0	73.2		ng/L		105	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.8	U	71.0	75.4		ng/L		106	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.8	U	71.7	72.4		ng/L		101	63 - 152
Perfluorooctanesulfonamide (PFOSA)	1.5	U	18.7	20.2		ng/L		108	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.5	U	18.7	20.6		ng/L		110	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.5	U	18.7	18.9		ng/L		101	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.5	U	18.7	19.8		ng/L		106	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.5	U	18.7	19.0		ng/L		101	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15	U	187	193		ng/L		103	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15	U	187	180		ng/L		96	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	5.8	U	74.9	77.3		ng/L		103	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.8	U	70.6	76.5		ng/L		108	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.9	U	37.4	39.6		ng/L		106	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.9	U	37.4	29.7		ng/L		79	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	5.8	U	69.8	64.5		ng/L		92	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	5.8	U	70.6	62.7		ng/L		89	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.9	U	33.3	34.3		ng/L		103	56 - 151
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.3	U F1 *+	93.6	172	I F1	ng/L		184	62 - 129

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-221561-1 MSD
Matrix: Water
Analysis Batch: 619959

Client Sample ID: QNSB-MW-109S
Prep Type: Total/NA
Prep Batch: 619880

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.3	U F1 *+	90.8	167	I F1	ng/L		184	62 - 129	3	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	36	U	454	456		ng/L		100	63 - 134	6	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	36	U	454	403		ng/L		89	50 - 138	3	30
Perfluorodecanesulfonic acid (PFDS)	1.5	U	17.5	17.1		ng/L		98	51 - 147	1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.9	U	36.3	38.4		ng/L		106	51 - 145	2	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*105*		*10 - 130*
13C5 PFPeA	*99.1*		*35 - 150*
13C5 PFHxA	*99.5*		*55 - 150*
13C4 PFHpA	*89.0*		*55 - 150*
13C8 PFOA	*77.7*		*60 - 140*
13C9 PFNA	*90.5*		*55 - 140*
13C6 PFDA	*97.8*		*50 - 140*
13C7 PFUnA	*83.5*		*30 - 140*
13C2 PFTeDA	*51.7*		*10 - 130*
13C3 PFBS	*95.7*		*55 - 150*
13C3 PFHxS	*87.7*		*55 - 150*
13C8 PFOS	*94.8*		*45 - 140*
13C8 PFOSA	*96.7*		*30 - 130*
d3-NMeFOSAA	*87.3*		*45 - 200*
d5-NEtFOSAA	*141*		*10 - 200*
M2-4:2 FTS	*85.9*		*60 - 200*
M2-6:2 FTS	*85.7*		*60 - 200*
M2-8:2 FTS	*69.0*		*50 - 200*
13C3 HFPO-DA	*92.0*		*25 - 160*
d7-N-MeFOSE-M	*74.0*		*10 - 150*
d9-N-EtFOSE-M	*66.3*		*10 - 150*
d5-NEtPFOSA	*68.1*		*10 - 130*
D3-NMeFOSA	*67.4*		*15 - 130*
13C2-PFDoDA	*77.9*		*10 - 150*

Lab Sample ID: MB 240-620394/1-A
Matrix: Water
Analysis Batch: 620319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.0	U	8.0	2.1	ng/L		07/18/24 11:58	07/18/24 15:19	1
Perfluoropentanoic acid (PFPeA)	4.0	U	4.0	1.0	ng/L		07/18/24 11:58	07/18/24 15:19	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.50	ng/L		07/18/24 11:58	07/18/24 15:19	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.50	ng/L		07/18/24 11:58	07/18/24 15:19	1
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.50	ng/L		07/18/24 11:58	07/18/24 15:19	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.50	ng/L		07/18/24 11:58	07/18/24 15:19	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.50	ng/L		07/18/24 11:58	07/18/24 15:19	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	0.50	ng/L		07/18/24 11:58	07/18/24 15:19	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-619880/3-A
Matrix: Water
Analysis Batch: 619959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 619880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	22.1	22.2		ng/L		101	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	23.3		ng/L		100	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	20.0		ng/L		88	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.8	24.0		ng/L		101	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.2	23.0		ng/L		99	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.0	22.2		ng/L		92	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.2	16.8		ng/L		70	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.4	93.0		ng/L		100	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	94.8	92.7		ng/L		98	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	95.8	94.9		ng/L		99	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	28.0		ng/L		112	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	30.3		ng/L		121	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	24.7		ng/L		99	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	25.8		ng/L		103	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	27.3		ng/L		109	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	245		ng/L		98	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	253		ng/L		101	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	104		ng/L		104	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.2	101		ng/L		107	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	51.3		ng/L		103	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	35.6		ng/L		71	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	93.2	85.0		ng/L		91	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.2	85.7		ng/L		91	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	44.5	48.3		ng/L		109	56 - 151
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	223	I *+	ng/L		179	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	671		ng/L		107	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	559		ng/L		89	50 - 138

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-619880/2-A
Matrix: Water
Analysis Batch: 619959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 619880

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotetradecanoic acid (PFTeDA)	2.00	2.09		ng/L		104	52 - 156
Perfluorobutanesulfonic acid (PFBS)	1.77	1.66	J	ng/L		94	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.98	J	ng/L		105	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.69	J	ng/L		93	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.94	J	ng/L		102	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.82	J	ng/L		98	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	1.72	J	ng/L		89	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.35	J	ng/L		70	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.47	7.20	J	ng/L		96	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.58	7.04	J	ng/L		93	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.66	7.45	J	ng/L		97	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	2.09		ng/L		104	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.44		ng/L		122	54 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	2.20		ng/L		110	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.79	J	ng/L		89	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.10		ng/L		105	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	17.5	J	ng/L		88	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	18.8	J	ng/L		94	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	7.64	J	ng/L		95	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.54	7.86	J	ng/L		104	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.81	J	ng/L		95	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	2.22	J	ng/L		56	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	7.46	6.54	J	ng/L		88	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	7.54	6.57	J	ng/L		87	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.56	3.50	J	ng/L		98	56 - 144
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	17.0	*+	ng/L		170	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	52.0		ng/L		104	39 - 156

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-220903-1 DU
Matrix: Solid
Analysis Batch: 617461

Client Sample ID: MW-112S (12-13')
Prep Type: Total/NA
Prep Batch: 617300

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.76	U		0.75	U	ug/Kg	☼			NC	30
Perfluoropentanoic acid (PFPeA)	0.38	U		0.38	U	ug/Kg	☼			NC	30
Perfluorohexanoic acid (PFHxA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluoroheptanoic acid (PFHpA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorooctanoic acid (PFOA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorononanoic acid (PFNA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorodecanoic acid (PFDA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluoroundecanoic acid (PFUnA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorododecanoic acid (PFDoA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorotridecanoic acid (PFTrDA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorotetradecanoic acid (PFTeDA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorobutanesulfonic acid (PFBS)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.11	J	RL = 0.19	0.0480	J F5	ug/Kg	☼		N/A	79	30
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorooctanesulfonic acid (PFOS)	1.2		RL = 0.19	0.260	F3	ug/Kg	☼			128	30
Perfluorononanesulfonic acid (PFNS)	0.19	U		0.19	U	ug/Kg	☼			NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.19	U		0.19	U	ug/Kg	☼			NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.76	U		0.75	U	ug/Kg	☼			NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.76	U		0.75	U	ug/Kg	☼			NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.76	U		0.75	U	ug/Kg	☼			NC	30
Perfluorooctanesulfonamide (PFOSA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U		0.19	U	ug/Kg	☼			NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.9	U		1.9	U	ug/Kg	☼			NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.9	U		1.9	U	ug/Kg	☼			NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.76	U		0.75	U	ug/Kg	☼			NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.76	U		0.75	U	ug/Kg	☼			NC	30

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
40 Perfluorohexanoic acid										M
313.00 > 269.00	4.763	4.847	-0.084	1.002	59711	0.0425	Target=14.00		1966	M
313.00 > 118.90	4.753	4.847	-0.094	1.000	4379		13.64(7.00-20.99)		1062	
42 Perfluorobutanesulfonic acid										M
298.70 > 79.90	4.913	5.010	-0.097	1.000	35883	0.0170	Target=3.17		1766	M
298.70 > 98.80	4.913	5.010	-0.097	1.000	10530		3.41(1.59-4.76)		2677	
47 Perfluoroheptanoic acid										M
363.10 > 319.00	5.258	5.343	-0.085	1.002	43298	0.0195	Target=4.10		1087	M
363.10 > 169.00	5.247	5.343	-0.096	1.000	12914		3.35(2.05-6.15)		1393	M
50 1H,1H,2H,2H-perfluorooctanesulfo										a
427.10 > 407.00	5.474	5.574	-0.100	1.000	320228	0.3950	Target=1.47		134850	a
427.10 > 80.90	5.483	5.574	-0.091	1.002	222706		1.44(0.74-2.21)		42039	
51 Perfluoropentanesulfonic acid										M
349.10 > 79.90	5.464	5.574	-0.110	0.919	23468	0.0137	Target=3.38		1304	M
349.10 > 98.90	5.454	5.574	-0.120	0.917	5378		4.36(1.69-5.07)		1550	M
52 Perfluorooctanoic acid										M
413.00 > 369.00	5.707	5.814	-0.107	1.000	47802	0.0514	Target=2.32		585	M
413.00 > 169.00	5.688	5.814	-0.126	0.997	20735		2.31(1.16-3.48)		1804	M
53 Perfluorohexanesulfonic acid										M
398.70 > 79.90	5.955	6.072	-0.117	1.002	254814	0.1546	Target=3.18		18416	M
398.70 > 98.90	5.955	6.072	-0.117	1.002	78730		3.24(1.59-4.77)		11713	M
56 1H,1H,2H,2H-perfluorodecanesulfo										
527.10 > 507.00	6.354	6.412	-0.058	1.002	412204	0.5976	Target=1.41		575	
527.10 > 80.80	6.345	6.412	-0.067	1.000	324684		1.27(0.71-2.12)		53115	
60 Perfluorodecanoic acid										7M
512.90 > 469.00	6.592	6.716	-0.124	1.001	17969	0.0114	Target=5.15		289	7M
512.90 > 219.00	6.582	6.716	-0.134	1.000	3000		5.99(2.57-7.72)		1012	M
LOD = 0.0125										
63 Perfluorooctanesulfonic acid										RM
498.90 > 79.90	6.717	7.014	-0.297	0.979	54102	0.0261	Target=4.89		1354	RM
498.90 > 98.80	6.861	7.014	-0.153	1.000	6776		7.98(2.45-7.34)		1881	M
75 NMeFOSA										7M
511.90 > 219.00	8.703	8.723	-0.020	1.001	1050	0.004483	Target=0.76		406	7M
511.90 > 169.00	8.713	8.723	-0.010	1.002	961		1.09(0.38-1.13)		305	M
LOD = 0.0125										

QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

PFAS NIS Mix_00016 Amount Added: 25.00 Units: uL Run Reagent

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
35 Perfluoropentanoic acid										M
263.00 > 219.00	4.223	4.303	-0.080	1.000	57735	0.0347			1250	M
40 Perfluorohexanoic acid										M
313.00 > 269.00	4.773	4.847	-0.074	1.002	35106	0.0247	Target=14.00		766	M
313.00 > 118.90	4.753	4.847	-0.094	0.998	2779		12.63(7.00-20.99)		564	M
42 Perfluorobutanesulfonic acid										M
298.70 > 79.90	4.913	5.010	-0.097	1.000	26421	0.0129	Target=3.17		1240	M
298.70 > 98.80	4.924	5.010	-0.086	1.002	6656		3.97(1.59-4.76)		1377	M
47 Perfluoroheptanoic acid										7M
363.10 > 319.00	5.266	5.343	-0.077	1.004	13021	0.006267	Target=4.10		279	7M
363.10 > 169.00	5.257	5.343	-0.086	1.002	3436		3.79(2.05-6.15)		717	M
LOD = 0.0125										
52 Perfluorooctanoic acid										RM
413.00 > 369.00	5.707	5.814	-0.108	1.002	28684	0.0312	Target=2.32		214	RM
413.00 > 169.00	5.707	5.814	-0.108	1.002	8003		3.58(1.16-3.48)		1225	M
53 Perfluorohexanesulfonic acid										7M
398.70 > 79.90	5.955	6.072	-0.117	1.002	10639	0.006432	Target=3.18		977	7M
398.70 > 98.90	5.945	6.072	-0.127	1.000	3708		2.87(1.59-4.77)		860	M
LOD = 0.0114										

QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

PFAS NIS Mix_00016 Amount Added: 25.00 Units: uL Run Reagent

QNSB-MW-108S

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
40 Perfluorohexanoic acid										
313.00 > 269.00	4.728	4.742	-0.014	1.000	63194	0.0560	Target=13.65		1766	
313.00 > 118.90	4.707	4.742	-0.035	0.995	5125		12.33(6.83-20.48)		826	
42 Perfluorobutanesulfonic acid										
298.70 > 79.90	4.877	4.891	-0.014	1.002	72555	0.0432	Target=3.39		6247	
298.70 > 98.80	4.866	4.891	-0.025	1.000	21529		3.37(1.69-5.08)		3500	
47 Perfluoroheptanoic acid										M
363.10 > 319.00	5.223	5.225	-0.002	1.004	30856	0.0161	Target=3.87		756	M
363.10 > 169.00	5.202	5.225	-0.023	1.000	6536		4.72(1.93-5.80)		1194	
50 1H,1H,2H,2H-perfluorooctanesulfo										7M
427.10 > 407.00	5.442	5.454	-0.012	1.002	6828	0.009356	Target=1.58		12.3	7M
427.10 > 80.90	5.422	5.454	-0.032	0.998	6201		1.10(0.79-2.37)		803	
LOD = 0.0474										
52 Perfluorooctanoic acid										RM
413.00 > 369.00	5.669	5.679	-0.010	1.002	37634	0.0288	Target=2.14		380	RM
413.00 > 169.00	5.678	5.679	-0.001	1.003	10134		3.71(1.07-3.20)		1486	M
56 1H,1H,2H,2H-perfluorodecanesulfo										7M
527.10 > 507.00	6.305	6.325	-0.020	0.998	5446	0.009306	Target=1.47		3016	7M
LOD = 0.0479										

QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated

Reagents:

PFAS NIS Mix_00016 Amount Added: 25.00 Units: uL Run Reagent

APPENDIX L

CSIA OF 1,4-DIOXANE ANALYTICAL REPORT

Client:King/TRC Engineers, Inc.
Project: NYSDEC Queensbury Landfill
PO#:209094

ISO# 2024097
Location: Fridge 1,3,4 Door Shelf
7 for 13C+2H-CSIA

Environmental Isotope Lab
2024-03-28

#	Sample	Date	Lab#	$\delta^{13}C$	Result	Repeat	$\delta^{2}H$	Result	Repeat		1,4- Dioxane
				1,4-Dioxane	VPDB ± 0.3‰		1,4-Dioxane	VSMOW ± 5‰			ug/L
1	QNSB-MW-03	2023-12-12	524036	X	-32.92	-32.9	X	-6.595		1LX3	5
2	QNSB-HMPSW	2023-12-12	524037	X	-33.57		X	-58.74		1LX3	0.83
3	QNSB-MW-102	2023-12-07	524038	X	-33.53		X	-81.5		1LX3	0.92
4	QNSB-MW-104	2023-12-05	524039	X	-33.95		X	-65.28		1LX3	1.1
5	QNSB-MW-105	2023-12-05	524040	X	-33.06		X	BAL		1LX3	0.9
6	QNSB-MW-106	2023-12-06	524041	X	-32.93		X	137.3		1LX3	0.81
7	QNSB-MW-110	2023-12-05	524042	X	-36.56		X	139.7		1LX3	2.7

BAL= Below Analytical Limit
NA= Not Attempted (concentrations too low)
NES= Not Enough Sample
ND= Non-detect

VPDB - Vienna Pee Dee Belemnite
VSMOW - Vienna Standard Mean Ocean Water

Concentrations were very low to run repeats for Hydrogen

Humam

Mar. 27/2024

ENVIRONMENTAL ISOTOPE LABORATORY